

new/usr/src/head/wctype.h

1

```
*****
5283 Sun Jun 29 11:51:27 2014
new/usr/src/head/wctype.h
Thread safety fixes.
*****
_____unchanged_portion_omitted_____

93 #ifdef _ILLUMOS_PRIVATE
94 extern int __iswrune(wint_t);
95 extern wint_t __nextwctype(wint_t, wctype_t);
96 #define iswrune(c) __iswrune(c)
97 #define nextwctype(c, t) __nextwctype(c, t)
98 #endif

100 /* character classification functions */

102 /* iswascii is still a macro */
103 #define iswascii(c) isascii(c)

105 /* isw*, except iswascii(), are not macros any more. They become functions */
106 #ifdef __STDC__

108 /* is* also become functions */
109 extern int isphonogram(wint_t);
110 extern int isideogram(wint_t);
111 extern int isenglish(wint_t);
112 extern int isnumber(wint_t);
113 extern int isspecial(wint_t);
114 /* From BSD/MacOS */
115 extern int iswideogram(wint_t);
116 extern int iswphonogram(wint_t);
117 extern int iswnumber(wint_t);
118 extern int iswhexnumber(wint_t);
119 extern int iswspecial(wint_t);

121 #else /* __STDC__ */

123 /* is* also become functions */
124 extern int isphonogram();
125 extern int isideogram();
126 extern int isenglish();
127 extern int isnumber();
128 extern int isspecial();
129 /* From BSD/MacOS */
130 extern int iswideogram();
131 extern int iswphonogram();
132 extern int iswnumber();
133 extern int iswspecial();
134 #endif

136 #define iscodeset0(c) isascii(c)
137 #define iscodeset1(c) (((c) & WCHAR_CSMASK) == WCHAR_CS1)
138 #define iscodeset2(c) (((c) & WCHAR_CSMASK) == WCHAR_CS2)
139 #define iscodeset3(c) (((c) & WCHAR_CSMASK) == WCHAR_CS3)

141 #endif /* !defined(_STRICT_SYMBOLS)... */

144 /* XPG7 extended locale support */
145 #if defined(_XPG7) || !defined(_STRICT_SYMBOLS)

147 #ifndef _LOCALE_T
148 #define _LOCALE_T
149 typedef struct locale *locale_t;
150 #endif
```

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```
152 #if defined(__STDC__)
153 extern wint_t towlower_l(wint_t, locale_t);
154 extern wint_t toupper_l(wint_t, locale_t);
155 extern wint_t towctrans_l(wint_t, wctrans_t, locale_t);
156 extern int iswctype_l(wint_t, wctype_t, locale_t);
157 extern int iswalnum_l(wint_t, locale_t);
158 extern int iswalphal_l(wint_t, locale_t);
159 extern int iswcntrl_l(wint_t, locale_t);
160 extern int iswdigit_l(wint_t, locale_t);
161 extern int iswgraph_l(wint_t, locale_t);
162 extern int iswlower_l(wint_t, locale_t);
163 extern int iswprint_l(wint_t, locale_t);
164 extern int iswpunct_l(wint_t, locale_t);
165 extern int iswspace_l(wint_t, locale_t);
166 extern int iswupper_l(wint_t, locale_t);
167 extern int iswxdigit_l(wint_t, locale_t);
168 extern wctrans_t wctrans_l(const char *, locale_t);
169 extern wctype_t wctype_l(const char *, locale_t);
170 #else /* __STDC__ */
171 extern wint_t towlower_l();
172 extern wint_t toupper_l();
173 extern wint_t towctrans_l();
174 extern int iswctype_l();
175 extern int iswalnum_l();
176 extern int iswalphal_l();
177 extern int iswcntrl_l();
178 extern int iswdigit_l();
179 extern int iswgraph_l();
180 extern int iswlower_l();
181 extern int iswprint_l();
182 extern int iswpunct_l();
183 extern int iswspace_l();
184 extern int iswupper_l();
185 extern int iswxdigit_l();
186 extern wctrans_t wctrans_l();
187 extern wctype_t wctype_l();
188 #endif /* __STDC__ */
189 #endif /* defined(_XPG7) || !defined(_STRICT_SYMBOLS) */

191 #ifdef __cplusplus
192 }
_____unchanged_portion_omitted_____
```

new/usr/src/lib/libc/port/locale/collate.c

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14317 Sun Jun 29 11:51:28 2014

new/usr/src/lib/libc/port/locale/collate.c

Thread safety fixes.

\*\*\*\*\*

unchanged\_portion\_omitted

```
63 struct locdata __posix_collate_locdata = {
64     .l_lname = "C",
65     .l_refcnt = (uint32_t)-1,
65     .l_data = { &lc_collate_posix }
66 };
```

unchanged\_portion\_omitted

new/usr/src/lib/libc/port/locale/lmessages.c

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2638 Sun Jun 29 11:51:28 2014

new/usr/src/lib/libc/port/locale/lmessages.c

Thread safety fixes.

\*\*\*\*\*

unchanged portion omitted

```
49 struct locdata __posix_messages_locdata = {
50     .l_lname = "C",
51     .l_refcnt = (uint32_t)-1,
51     .l_data = { &lc_messages_posix }
52 };

54 struct locdata *
55 __lc_messages_load(const char *name)
56 {
57     struct locdata *ldata;
58     struct lc_messages *lmsgs;
59     int ret;

61     if ((ldata = __locdata_alloc(name, sizeof (*lmsgs))) == NULL)
62         return (NULL);
63     lmsgs = ldata->l_data[0];

65     ret = __part_load_locale(name, (char **)&ldata->l_data[1],
66         "LC_MESSAGES", LCMESSAGES_SIZE_FULL, LCMESSAGES_SIZE_MIN,
67         (const char **)lmsgs);

69     if (ret != _LDP_LOADED) {
70         __locdata_free(ldata);
71         __locdata_release(ldata);
71         errno = EINVAL;
72         return (NULL);
73     }

75     if (lmsgs->yesstr == NULL)
76         lmsgs->yesstr = empty;
77     if (lmsgs->nostr == NULL)
78         lmsgs->nostr = empty;

80     return (ldata);
81 }
```

unchanged portion omitted

```

*****
5232 Sun Jun 29 11:51:29 2014
new/usr/src/lib/libc/port/locale/lmonetary.c
Thread safety fixes.
*****
_____unchanged_portion_omitted_____

74 struct locdata __posix_monetary_locdata = {
75     .l_lname = "C",
76     .l_refcnt = (uint32_t)-1,
76     .l_data = { &lc_monetary_posix }
77 };
_____unchanged_portion_omitted_____

89 struct locdata *
90 __lc_monetary_load(const char *name)
91 {
92     int ret;
93     int clen;
94     struct lc_monetary *lmon;
95     struct locdata *ldata;

97     if ((ldata = __locdata_alloc(name, sizeof (*lmon))) == NULL) {
98         return (NULL);
99     }
100    lmon = ldata->l_data[0];

102    ret = __part_load_locale(name, (char **)&ldata->l_data[1],
103        "LC_MONETARY", LCMONETARY_SIZE_FULL, LCMONETARY_SIZE_MIN,
104        (const char **)lmon);

106    if (ret != _LDP_LOADED) {
107        __locdata_free(ldata);
108        __locdata_release(ldata);
108        errno = EINVAL;
109        return (NULL);
110    }

112    /* special storage for currency string */
113    clen = strlen(lmon->currency_symbol) + 2;
114    ldata->l_data[2] = malloc(clen);
115    lmon->crncystr = ldata->l_data[2];
116    lmon->crncystr[0] = '\0';

118    lmon->mon_grouping = __fix_locale_grouping_str(lmon->mon_grouping);

120 #define M_ASSIGN_CHAR(NAME) \
121     ((char *)lmon->NAME)[0] = cnv(lmon->NAME)

123     M_ASSIGN_CHAR(int_frac_digits);
124     M_ASSIGN_CHAR(frac_digits);
125     M_ASSIGN_CHAR(p_cs_precedes);
126     M_ASSIGN_CHAR(p_sep_by_space);
127     M_ASSIGN_CHAR(n_cs_precedes);
128     M_ASSIGN_CHAR(n_sep_by_space);
129     M_ASSIGN_CHAR(p_sign_posn);
130     M_ASSIGN_CHAR(n_sign_posn);

132     /*
133     * The six additional C99 international monetary formatting
134     * parameters default to the national parameters when
135     * reading FreeBSD LC_MONETARY data files.
136     */
137 #define M_ASSIGN_ICHAR(NAME) \
138     if (lmon->int_##NAME == NULL) \
139         lmon->int_##NAME = lmon->NAME; \

```

```

140     else \
141         M_ASSIGN_CHAR(int_##NAME);

143     M_ASSIGN_ICHAR(p_cs_precedes);
144     M_ASSIGN_ICHAR(n_cs_precedes);
145     M_ASSIGN_ICHAR(p_sep_by_space);
146     M_ASSIGN_ICHAR(n_sep_by_space);
147     M_ASSIGN_ICHAR(p_sign_posn);
148     M_ASSIGN_ICHAR(n_sign_posn);

150     /*
151     * Now calculate the currency string (CRNCYSTR) for nl_langinfo.
152     * This is a legacy SUSv2 interface.
153     */
154     if ((lmon->p_cs_precedes[0] == lmon->n_cs_precedes[0]) &&
155         (lmon->currency_symbol[0] != '\0')) {
156         char sign = '\0';
157         switch (lmon->p_cs_precedes[0]) {
158             case 0:
159                 sign = '-';
160                 break;
161             case 1:
162                 sign = '+';
163                 break;
164             case CHAR_MAX:
165                 /*
166                 * Substitute currency string for radix character.
167                 * To the best of my knowledge, no locale uses this.
168                 */
169                 if (strcmp(lmon->mon_decimal_point,
170                     lmon->currency_symbol) == 0)
171                     sign = '.';
172                 break;
173         }
174         (void) snprintf(lmon->crncystr, clen, "%c%s", sign,
175             lmon->currency_symbol);
176     }

178     return (ldata);
179 }
_____unchanged_portion_omitted_____

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2721 Sun Jun 29 11:51:29 2014

new/usr/src/lib/libc/port/locale/lnumeric.c

Thread safety fixes.

\*\*\*\*\*

unchanged portion omitted

```
48 struct locdata __posix_numeric_locdata = {
49     .l_lname = "C",
50     .l_refcnt = (uint32_t)-1,
50     .l_data = { &lc_numeric_posix }
51 };
```

```
54 /*
55  * Return the locale's numeric locdata structure.
56  * Return the locale's numeric locdata structure, places a hold on it,
57  * which the caller must release.
58  */
57 struct locdata *
58 __lc_numeric_load(const char *name)
59 {
60     struct locdata *ldata;
61     struct lc_numeric *lnum;
62     int ret;

64     if ((ldata = __locdata_alloc(name, sizeof (*lnum))) == NULL) {
65         errno = EINVAL;
66         return (NULL);
67     }
68     lnum = ldata->l_data[0];

70     ret = __part_load_locale(name, (char **)&ldata->l_data[1],
71                             "LC_NUMERIC", LCNUMERIC_SIZE, LCNUMERIC_SIZE, (const char **)lnum);

73     if (ret != _LDP_LOADED) {
74         __locdata_free(ldata);
75         __locdata_release(ldata);
76         return (NULL);
76     }

78     /* Can't be empty according to C99 */
79     if (*lnum->decimal_point == '\0')
80         lnum->decimal_point = lc_numeric_posix.decimal_point;
81     lnum->grouping = __fix_locale_grouping_str(lnum->grouping);

83     return (ldata);
84 }
```

unchanged portion omitted

new/usr/src/lib/libc/port/locale/localeimpl.c

1

```
*****
12894 Sun Jun 29 11:51:31 2014
new/usr/src/lib/libc/port/locale/localeimpl.c
Thread safety fixes.
*****
1 /*
2  * This file and its contents are supplied under the terms of the
3  * Common Development and Distribution License ("CDDL"), version 1.0.
4  * You may only use this file in accordance with the terms of version
5  * 1.0 of the CDDL.
6  *
7  * A full copy of the text of the CDDL should have accompanied this
8  * source. A copy of the CDDL is also available via the Internet at
9  * http://www.illumos.org/license/CDDL.
10 */

12 /*
13  * Copyright 2014 Garrett D'Amore <garrett@damore.org>
14  */

16 /*
17  * This file implements the 2008 newlocale and friends handling.
18  */

20 #ifndef _LCONV_C99
21 #define _LCONV_C99
22 #endif

24 #include "lint.h"
25 #include <atomic.h>
26 #include <locale.h>
27 #include <sys/types.h>
28 #include <sys/mman.h>
29 #include <errno.h>
30 #include <string.h>
31 #include "libc.h"
32 #include "mtlib.h"
33 #include "tsd.h"
34 #include "localeimpl.h"
35 #include "lctype.h"

37 /*
38  * Big Theory of Locales:
39  *
40  * (It is recommended that readers familiarize themselves with the POSIX
41  * 2008 (XPG Issue 7) specifications for locales, first.)
42  *
43  * Historically, we had a bunch of global variables that stored locale
44  * data. While this worked well, it limited applications to a single locale
45  * at a time. This doesn't work well in certain server applications.
46  *
47  * Issue 7, X/Open introduced the concept of a locale_t object, along with
48  * versions of functions that can take this object as a parameter, along
49  * with functions to clone and manipulate these locale objects. The new
50  * functions are named with a _l() suffix.
51  *
52  * Additionally uselocale() is introduced which can change the locale of
53  * of a single thread. However, setlocale() can still be used to change
54  * the global locale.
55  *
56  * In our implementation, we use libc's TSD to store the locale data that
57  * was previously global. We still have global data because some applications
58  * have had those global objects compiled into them. (Such applications will
59  * be unable to benefit from uselocale(), btw.) The legacy routines are
60  * reimplemented as wrappers that use the appropriate locale object by
61  * calling uselocale(). uselocale() when passed a NULL pointer returns the
```

new/usr/src/lib/libc/port/locale/localeimpl.c

2

```
62  * thread-specific locale object if one is present, or the global locale
63  * object otherwise. Note that once the TSD data is set, the only way
64  * to revert to the global locale is to pass the global locale LC_GLOBAL_LOCALE
65  * to uselocale().
66  *
67  * We are careful to minimize performance impact of multiple calls to
68  * uselocale() or setlocale() by using a cache of locale data whenever possible.
69  * As a consequence of this, applications that iterate over all possible
70  * locales will burn through a lot of virtual memory, but we find such
71  * applications rare. (locale -a might be an exception, but it is short lived.)
72  *
73  * Category data is never released (although enclosing locale objects might be),
74  * in order to guarantee thread-safety. Calling freelocale() on an object
75  * while it is in use by another thread is a programmer error (use-after-free)
76  * and we don't bother to note it further.
77  *
78  * Locale objects (global locales) established by setlocale() are also
79  * never freed (for MT safety), but we will save previous locale objects
80  * and reuse them when we can.
81  */

83 typedef struct locdata>(*loadfn_t)(const char *);

85 static const loadfn_t loaders[LC_ALL] = {
86     __lc_ctype_load,
87     __lc_numeric_load,
88     __lc_time_load,
89     __lc_collate_load,
90     __lc_monetary_load,
91     __lc_messages_load,
92 };

    unchanged_portion_omitted

143 /*
144  * Prototypes.
145  */
146 static const char *get_locale_env(int);
147 static struct locdata *locdata_get(int, const const char *);
148 static struct locdata *locdata_get_cache(int, const char *);
149 static void locdata_set_cache(int, struct locdata *);

150 /*
151  * Some utility routines.
152  */
153 struct locdata *
154 __locdata_hold(struct locdata *ld)
155 {
156     if (ld != NULL && ld->l_refcnt != (uint32_t)-1)
157         atomic_inc_32(&ld->l_refcnt);
158     return (ld);
159 }

159 void
160 __locdata_release(struct locdata *ld)
161 {
162     if (ld->l_refcnt == (uint32_t)-1)
163         return;

165     if (atomic_dec_32_nv(&ld->l_refcnt) == 0) {
166         for (int i = 0; i < NLOCDATA; i++)
```

```

167         free(ld->l_data[i]);
168     if (ld->l_map && ld->l_map_len) {
169         (void) munmap(ld->l_map, ld->l_map_len);
170     }
171     free(ld);
172 }
173 }

154 struct locdata *
155 __locdata_alloc(const char *name, size_t memsz)
156 {
157     struct locdata *ldata;

159     if ((ldata = calloc(1, sizeof (*ldata))) == NULL) {
160         return (NULL);
161     }
162     if ((ldata->l_data[0] = calloc(1, memsz)) == NULL) {
163         free(ldata);
164         errno = ENOMEM;
165         return (NULL);
166     }
167     (void) strncpy(ldata->l_name, name, sizeof (ldata->l_name));
168     ldata->l_refcnt = 1;

169     return (ldata);
170 }

172 /*
173  * Normally we never free locale data truly, but if we failed to load it
174  * for some reason, this routine is used to cleanup the partial mess.
175  */
176 void
177 __locdata_free(struct locdata *ldata)
178 {
179     for (int i = 0; i < NLOCDATA; i++)
180         free(ldata->l_data[i]);
181     if (ldata->l_map != NULL && ldata->l_map_len)
182         (void) munmap(ldata->l_map, ldata->l_map_len);
183     free(ldata);
184 }

186 /*
187  * It turns out that for performance reasons we would really like to
188  * cache the most recently referenced locale data to avoid wasteful
189  * loading from files.
190  */

192 static struct locdata *cache_data[LC_ALL];
193 static struct locdata *cat_data[LC_ALL];
194 static mutex_t cache_lock = DEFAULTMUTEX;

196 /*
197  * Returns the cached data if the locale name is the same.  If not,
198  * returns NULL (cache miss).  The locdata is returned with a hold on
199  * it, taken on behalf of the caller.  The caller should drop the hold
200  * when it is finished.
201  */
202 static struct locdata *
203 locdata_get_cache(int category, const char *locname)
204 {
205     struct locdata *loc;

207     if (category < 0 || category >= LC_ALL)
208         return (NULL);

210     /* Try cache first. */

```

```

211     lmutex_lock(&cache_lock);
212     loc = cache_data[category];

214     if ((loc != NULL) && (strcmp(loc->l_name, locname) == 0)) {
215         lmutex_unlock(&cache_lock);
216         return (loc);
217     }

219     /*
220     * Failing that try previously loaded locales (linear search) --
221     * this could be optimized to a hash, but its unlikely that a single
222     * application will ever need to work with more than a few locales.
223     */
224     for (loc = cat_data[category]; loc != NULL; loc = loc->l_next) {
225     if ((loc = cache_data[category]) != NULL) {
226         if (strcmp(locname, loc->l_name) == 0) {
227             break;
228             loc = __locdata_hold(loc);
229         } else {
230             loc = NULL;
231         }
232     }

233     /*
234     * Finally, if we still don't have one, try loading the locale
235     * data from the actual on-disk data.
236     *
237     * We drop the lock (libc wants to ensure no internal locks
238     * are held when we call other routines required to read from
239     * files, allocate memory, etc.) There is a small race here,
240     * but the consequences of the race are benign -- if multiple
241     * threads hit this at precisely the same point, we could
242     * wind up with duplicates of the locale data in the cache.
243     *
244     * This wastes the memory for an extra copy of the locale
245     * data, but there is no further harm beyond that. Its not
246     * worth the effort to recode this to something "safe"
247     * (which would require rescanning the list, etc.), given
248     * that this race will probably never actually occur.
249     */
250     if (loc == NULL) {
251         lmutex_unlock(&cache_lock);
252         loc = (*loaders[category])(locname);
253         lmutex_lock(&cache_lock);
254         (void) strncpy(loc->l_name, locname,
255             sizeof (loc->l_name));
256     }
257     return (loc);
258 }

259 /*
260  * Assuming we got one, update the cache, and stick us on the list
261  * of loaded locale data. We insert into the head (more recent
262  * use is likely to win.)
263  */
264 /* Set the cache for the category to specific content. An additional hold
265  * is taken for the data while it is in the cache, so the caller may drop
266  * its own hold once this is complete. Also, releases the hold on any
267  * previously cached data.
268  */
269 if (loc != NULL) {
270     cache_data[category] = loc;
271     if (loc->l_next == NULL) {
272         loc->l_next = cat_data[category];
273         cat_data[category] = loc;
274     }
275 }

```

```

266     }
267 }
268 static void
269 locdata_set_cache(int category, struct locdata *loc)
270 {
271     struct locdata *old;
272
273     if (category < 0 || category >= LC_ALL)
274         return;
275
276     lmutex_lock(&cache_lock);
277     old = cache_data[category];
278     cache_data[category] = __locdata_hold(loc);
279     lmutex_unlock(&cache_lock);
280     return (loc);
281
282     /* drop our reference on the old data */
283     if (old)
284         __locdata_release(old);
285 }
286
287 /*
288 * Routine to get the locdata for a given category and locale.
289 * This includes retrieving it from cache, retrieving it from
290 * a file, etc.
291 */
292 static struct locdata *
293 locdata_get(int category, const char *locname)
294 {
295     struct locdata *ldata;
296     char scratch[ENCODING_LEN + 1];
297     char *slash;
298     int cnt;
299     int len;
300
301     if (locname == NULL || *locname == 0) {
302         locname = get_locale_env(category);
303     }
304
305     /*
306      * Extract the locale name for the category if it is a composite
307      * locale.
308      */
309     if ((slash = strchr(locname, '/')) != NULL) {
310         for (cnt = category; cnt && slash != NULL; cnt--) {
311             locname = slash + 1;
312             slash = strchr(locname, '/');
313         }
314         if (slash) {
315             len = slash - locname;
316             if (len >= sizeof (scratch)) {
317                 len = sizeof (scratch);
318             }
319         } else {
320             len = sizeof (scratch);
321         }
322         (void) strncpy(scratch, locname, len);
323         locname = scratch;
324     }
325
326     if ((strcmp(locname, "C") == 0) || (strcmp(locname, "POSIX") == 0))
327         return (posix_locale.locdata[category]);
328     return (__locdata_hold(posix_locale.locdata[category]));
329
330     return (locdata_get_cache(category, locname));
331     ldata = locdata_get_cache(category, locname);
332     if (ldata != NULL)

```

```

297         return (ldata);
298
299     /* Otherwise load it */
300     ldata = (*loaders[category])(locname);
301     if (ldata != NULL) {
302         locdata_set_cache(category, ldata);
303     }
304     return (ldata);
305 }
306
307 _____unchanged_portion_omitted_____
308
309 /*
310 * Public interfaces.
311 */
312
313 locale_t
314 duplocale(locale_t src)
315 {
316     locale_t loc;
317     int i;
318
319     loc = calloc(1, sizeof (*loc));
320     if (loc == NULL) {
321         return (NULL);
322     }
323     if (src == NULL) {
324         /* illumos extension: POSIX says LC_GLOBAL_LOCALE here */
325         src = __global_locale;
326     }
327     for (i = 0; i < LC_ALL; i++) {
328         loc->locdata[i] = src->locdata[i];
329         loc->locdata[i] = __locdata_hold(src->locdata[i]);
330         loc->loaded[i] = 0;
331     }
332     loc->collate = loc->locdata[LC_COLLATE]->l_data[0];
333     loc->ctype = loc->locdata[LC_CTYPE]->l_data[0];
334     loc->runelocale = loc->locdata[LC_CTYPE]->l_data[1];
335     loc->messages = loc->locdata[LC_MESSAGES]->l_data[0];
336     loc->monetary = loc->locdata[LC_MONETARY]->l_data[0];
337     loc->numeric = loc->locdata[LC_NUMERIC]->l_data[0];
338     loc->time = loc->locdata[LC_TIME]->l_data[0];
339     return (loc);
340 }
341
342 void
343 freelocale(locale_t loc)
344 {
345     /*
346      * We take extra care never to free a saved locale created by
347      * setlocale(). This shouldn't be strictly necessary, but a little
348      * extra safety doesn't hurt here.
349      */
350     if ((loc != &posix_locale) && (loc->next == NULL))
351         for (i = 0; i < LC_ALL; i++)
352             __locdata_release(loc->locdata[i]);
353     if (loc != &posix_locale)
354         free(loc);
355 }
356
357 locale_t
358 newlocale(int catmask, const char *locname, locale_t base)
359 {
360     locale_t loc;
361     int i, e;

```



```
416     if (catmask & ~(LC_ALL_MASK)) {
417         errno = EINVAL;
418         return (NULL);
419     }
420     /*
421     * Technically passing LC_GLOBAL_LOCALE here is illegal,
422     * but we allow it.
423     */
424     if (base == NULL || base == __global_locale) {
425         loc = duplocale(__global_locale);
426     } else {
427         loc = base;
428     }
429     loc = duplocale(base != NULL ? base : __global_locale);
430     if (loc == NULL) {
431         return (NULL);
432     }
433     for (i = 0; i < LC_ALL; i++) {
434         struct locdata *ldata;
435         loc->loaded[i] = 0;
436         if (((1 << i) & catmask) == 0) {
437             /* Default to base locale if not overriding */
438             continue;
439         }
440         ldata = locdata_get(i, locname);
441         if (ldata == NULL) {
442             e = errno;
443             freelocale(loc);
444             errno = e;
445             return (NULL);
446         }
447         __locdata_release(loc->locdata[i]);
448         loc->locdata[i] = ldata;
449     }
450     if (base && base != __global_locale) {
451         freelocale(base);
452     }
453     loc->collate = loc->locdata[LC_COLLATE]->l_data[0];
454     loc->ctype = loc->locdata[LC_CTYPE]->l_data[0];
455     loc->runelocale = loc->locdata[LC_CTYPE]->l_data[1];
456     loc->messages = loc->locdata[LC_MESSAGES]->l_data[0];
457     loc->monetary = loc->locdata[LC_MONETARY]->l_data[0];
458     loc->numeric = loc->locdata[LC_NUMERIC]->l_data[0];
459     loc->time = loc->locdata[LC_TIME]->l_data[0];
460     return (loc);
461 }
```

unchanged\_portion\_omitted

```

*****
3357 Sun Jun 29 11:51:33 2014
new/usr/src/lib/libc/port/locale/localeimpl.h
Thread safety fixes.
*****
1 /*
2  * This file and its contents are supplied under the terms of the
3  * Common Development and Distribution License ("CDDL"), version 1.0.
4  * You may only use this file in accordance with the terms of version
5  * 1.0 of the CDDL.
6  *
7  * A full copy of the text of the CDDL should have accompanied this
8  * source. A copy of the CDDL is also available via the Internet at
9  * http://www.illumos.org/license/CDDL.
10 */

12 /*
13  * Copyright 2014 Garrett D'Amore <garrett@damore.org>
14  * Copyright 2013 Garrett D'Amore <garrett@damore.org>
15 */

16 /*
17  * This file implements the 2008 newlocale and friends handling. It is
18  * private to libc.
19  */
20 #ifndef _LOCALEIMPL_H_
21 #define _LOCALEIMPL_H_

23 #ifndef _LCONV_C99
24 #define _LCONV_C99 /* so we get all the extensions */
25 #endif

27 #include <sys/types.h>
28 #include <locale.h>
29 #include <xlocale.h>
30 #include "setlocale.h"
31 #include "runetype.h"

33 /* private locale structures */

35 /*
36  * Because some locale data is rather ahem.. large, we would like to keep
37  * reference counts on it. We create an abstract header (locdata) structure
38  * which keeps a point to the opaque per-category data, along with a reference
39  * count to it. To be threadsafe, we will use atomics when holding it or
40  * freeing it. (This only occurs when locale objects are created or destroyed,
41  * so there should be no performance impact on hot code paths. If your code
42  * uses locale_t creation/destruction on a hot code path, its broken. But
43  * even so, the atomic and reference counting will probably *greatly* improve
44  * your life as bootstrapping locale data from files is quite expensive.
45  */

47 #define NLOCDATA 4
48 struct locdata {
49     char          l_name[ENCODING_LEN+1]; /* locale name */
50     void          *l_data[NLOCDATA];    /* storage area */
51     void          *l_map;                /* mapped file */
52     size_t        l_map_len;
53     struct locdata *l_next;              /* link cached list */
54     uint32_t      l_refcnt;
55 };

57 struct locale {
58     struct locdata *locdata[LC_ALL];
59     struct locale *next;

```

```

61 /*
62  * Convenience pointers.
63  */
64 const struct lc_ctype      *ctype;
65 const struct lc_collate    *collate;
66 const struct lc_messages   *messages;
67 const struct lc_monetary   *monetary;
68 const struct lc_numeric    *numeric;
69 const struct lc_time       *time;
70 const _RuneLocale          *runelocale;

72 /*
73  * The loaded value is used for localeconv. In particular, when
74  * when we change the value of one of the above categories, we will
75  * also need to update the lconv structure. The loaded bit indicates
76  * that the lconv structure is "current" for that category. It's
77  * sort of an "inverse dirty" bit.
78  */
79 int          loaded[LC_ALL];
80 struct lconv lconv;
81 };

84 struct locdata *__locdata_alloc(const char *, size_t);
85 void __locdata_free(struct locdata *);
84 struct locdata *__locdata_hold(struct locdata *);
85 void __locdata_release(struct locdata *);
86 struct locdata *__locdata_get_cache(int, const char *);
87 void __locdata_set_cache(int, struct locdata *);

89 struct locdata *__lc_numeric_load(const char *name);
90 struct locdata *__lc_monetary_load(const char *name);
91 struct locdata *__lc_messages_load(const char *name);
92 struct locdata *__lc_time_load(const char *name);
93 struct locdata *__lc_ctype_load(const char *name);
94 struct locdata *__lc_collate_load(const char *name);

96 extern struct locdata __posix_numeric_locdata;
97 extern struct locdata __posix_monetary_locdata;
98 extern struct locdata __posix_messages_locdata;
99 extern struct locdata __posix_time_locdata;
100 extern struct locdata __posix_ctype_locdata;
101 extern struct locdata __posix_collate_locdata;
102 extern locale_t __global_locale;

104 #endif /* _LOCALEIMPL_H_ */

```

\*\*\*\*\*

2009 Sun Jun 29 11:51:36 2014

new/usr/src/lib/libc/port/locale/mblen.c

Thread safety fixes.

\*\*\*\*\*

```
1 /*
2  * Copyright 2014 Garrett D'Amore <garrett@damore.org>
3  * Copyright 2013 Garrett D'Amore <garrett@damore.org>
4  * Copyright 2010 Nexenta Systems, Inc. All rights reserved.
5  * Copyright (c) 2002-2004 Tim J. Robbins.
6  * All rights reserved.
7  *
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9  * modification, are permitted provided that the following conditions
10 * are met:
11 * 1. Redistributions of source code must retain the above copyright
12 * notice, this list of conditions and the following disclaimer.
13 * 2. Redistributions in binary form must reproduce the above copyright
14 * notice, this list of conditions and the following disclaimer in the
15 * documentation and/or other materials provided with the distribution.
16 *
17 * THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND
18 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
19 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
20 * ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
21 * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
22 * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
23 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
24 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
25 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
26 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
27 * SUCH DAMAGE.
28 */
29 #include "lint.h"
30 #include <stdlib.h>
31 #include <wchar.h>
32 #include <locale.h>
33 #include <xlocale.h>
34 #include "mblocal.h"
35 #include "localeimpl.h"
36
37 int
38 mblen_l(const char *s, size_t n, locale_t loc)
39 {
40     mbstate_t mbs = { 0 };
41     static const mbstate_t initial = { 0 };
42     static mbstate_t mbs;
43     size_t rval;
44
45     if (s == NULL) {
46         /* No support for state dependent encodings. */
47         mbs = initial;
48         return (0);
49     }
50     rval = mbrtowc_l(NULL, s, n, &mbs, loc);
51     if (rval == (size_t)-1 || rval == (size_t)-2)
52         return (-1);
53     return ((int)rval);
54 }
55
56 unchanged_portion_omitted
```

new/usr/src/lib/libc/port/locale/mbtowc.c

1

\*\*\*\*\*

2084 Sun Jun 29 11:51:39 2014

new/usr/src/lib/libc/port/locale/mbtowc.c

Thread safety fixes.

\*\*\*\*\*

```
1 /*
2  * Copyright 2014 Garrett D'Amore <garrett@damore.org>
3  * Copyright 2013 Garrett D'Amore <garrett@damore.org>
4  * Copyright 2010 Nexenta Systems, Inc. All rights reserved.
5  * Copyright (c) 2002-2004 Tim J. Robbins.
6  * All rights reserved.
7  *
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9  * modification, are permitted provided that the following conditions
10 * are met:
11 * 1. Redistributions of source code must retain the above copyright
12 * notice, this list of conditions and the following disclaimer.
13 * 2. Redistributions in binary form must reproduce the above copyright
14 * notice, this list of conditions and the following disclaimer in the
15 * documentation and/or other materials provided with the distribution.
16 *
17 * THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND
18 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
19 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
20 * ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
21 * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
22 * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
23 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
24 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
25 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
26 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
27 * SUCH DAMAGE.
28 */
29 #include "lint.h"
30 #include <stdlib.h>
31 #include <wchar.h>
32 #include <locale.h>
33 #include <xlocale.h>
34 #include "mblocal.h"
35
36 int
37 mbtowc_l(wchar_t *_RESTRICT_KYWD pwc, const char *_RESTRICT_KYWD s, size_t n,
38          locale_t loc)
39 {
40     mbsstate_t mbs = { 0 };
41     static const mbsstate_t initial = { 0 };
42     static mbsstate_t mbs;
43     size_t rval;
44
45     if (s == NULL) {
46         /* No support for state dependent encodings. */
47         mbs = initial;
48         return (0);
49     }
50     rval = mbrtowc_l(pwc, s, n, &mbs, loc);
51     if (rval == (size_t)-1 || rval == (size_t)-2)
52         return (-1);
53     return ((int)rval);
54 }
55
56 _____
57 unchanged_portion_omitted
```

```

*****
6252 Sun Jun 29 11:51:42 2014
new/usr/src/lib/libc/port/locale/setlocale.c
Thread safety fixes.
*****
1 /*
2  * Copyright 2014 Garrett D'Amore <garrett@damore.org>
3  * Copyright 2010 Nexenta Systems, Inc. All rights reserved.
4  * Copyright (c) 1996 - 2002 FreeBSD Project
5  * Copyright (c) 1991, 1993
6  * The Regents of the University of California. All rights reserved.
7  *
8  * This code is derived from software contributed to Berkeley by
9  * Paul Borman at Krystal Technologies.
10 *
11 * Redistribution and use in source and binary forms, with or without
12 * modification, are permitted provided that the following conditions
13 * are met:
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15 * notice, this list of conditions and the following disclaimer.
16 * 2. Redistributions in binary form must reproduce the above copyright
17 * notice, this list of conditions and the following disclaimer in the
18 * documentation and/or other materials provided with the distribution.
19 * 4. Neither the name of the University nor the names of its contributors
20 * may be used to endorse or promote products derived from this software
21 * without specific prior written permission.
22 *
23 * THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
24 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
25 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
26 * ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
27 * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
28 * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
29 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
30 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
31 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
32 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
33 * SUCH DAMAGE.
34 */

36 #include "lint.h"
37 #include <sys/types.h>
38 #include <sys/stat.h>
39 #include <errno.h>
40 #include <limits.h>
41 #include <locale.h>
42 #include <stdlib.h>
43 #include <string.h>
44 #include <unistd.h>
45 #include <stdio.h>
46 #include "mtlib.h"
47 #include "collate.h"
48 #include "lnumeric.h" /* for struct lc_numeric */
49 #include "lctype.h" /* for struct lc_ctype */
50 #include "setlocale.h"
51 #include "../i18n/_loc_path.h"
52 #include "localeimpl.h"
53 #include "../i18n/_locale.h"

55 /*
56  * Path to locale storage directory. See ../i18n/_loc_path.h
57  */
58 char *_PathLocale = _DFLT_LOCALE_PATH;

60 static char *current_locale(locale_t, int);
61 static void install_legacy(locale_t, int);

```

```

63 static mutex_t setlocale_lock = DEFAULTMUTEX;
64 static locale_t setlocale_list = NULL;

66 char *
67 setlocale(int category, const char *locname)
68 {
69     locale_t loc;
70     locale_t srch;
71     locale_t oldloc;
72     locale_t newloc;
73     int mask;

74     if (category < 0 || category > LC_ALL) {
75         errno = EINVAL;
76         return (NULL);
77     }

78     if (locname == NULL)
79         return (current_locale(__global_locale, category));

80     if ((oldloc = duplocale(__global_locale)) == NULL)
81         return (NULL);

82     mask = (category == LC_ALL ? LC_ALL_MASK : (1 << category));

83     loc = newlocale(mask, locname, NULL);
84     if (loc == NULL) {
85         newloc = newlocale(mask, locname, oldloc);
86         if (newloc == NULL) {
87             freelocale(oldloc);
88             return (NULL);
89         }
90     }

91     /*
92      * This next logic looks to see if we have ever used the same locale
93      * settings before. If so, we reuse it. We avoid ever calling
94      * freelocale() on a locale setting built up by setlocale, this
95      * ensures that consumers (uselocale) will always be thread safe;
96      * the actual locale data objects are never freed, and unique
97      * locale objects are also never freed. We reuse to avoid leaking
98      * memory in applications that call setlocale repeatedly.
99      */
100    lmutex_lock(&setlocale_lock);
101    for (srch = setlocale_list; srch != NULL; srch = srch->next) {
102        if (memcmp(srch->locdata, loc->locdata,
103                sizeof(loc->locdata[0]) * LC_ALL) != 0) {
104            continue;
105        }
106        break;
107    }
108    oldloc = __global_locale;
109    __global_locale = newloc;

110    if (srch == NULL) {
111        /* this is a new locale, save it for reuse later */
112        loc->next = setlocale_list;
113        setlocale_list = loc;
114    } else {
115        /* we already had it, toss the new, and use what we found */
116        freelocale(loc);
117        loc = srch;
118    }
119    __global_locale = loc;
120    install_legacy(newloc, mask);

```

new/usr/src/lib/libc/port/locale/setlocale.c

3

```
117     install_legacy(loc, mask);
118     lmutex_unlock(&setlocale_lock);

120     return (current_locale(loc, category));
    93     freelocale(oldloc);
    94     return (current_locale(newloc, category));
121 }
unchanged_portion_omitted
```

```
*****
```

```
4433 Sun Jun 29 11:51:44 2014
```

```
new/usr/src/lib/libc/port/locale/setrunelocale.c
```

```
Thread safety fixes.
```

```
*****
```

```
_____unchanged_portion_omitted_____
```

```
67 struct locdata __posix_ctype_locdata = {
68     .l_lname = "C",
69     .l_refcnt = (uint32_t)-1,
69     .l_data = { &lc_ctype_posix, &DefaultRuneLocale }
70 };
_____unchanged_portion_omitted_____
```

```
96 struct locdata *
97 __lc_ctype_load(const char *name)
98 {
99     struct locdata *ldata;
100     struct lc_ctype *lct;
101     _RuneLocale *rl;
102     int i;
103     char path[PATH_MAX];
104
105     if ((ldata = __locdata_alloc(name, sizeof (*lct))) == NULL)
106         return (NULL);
107     lct = ldata->l_data[0];
108     /*
109      * Slurp the locale file into the cache.
110      */
111
112     (void) snprintf(path, sizeof (path), "%s/%s/LC_CTYPE/LCL_DATA",
113                    _PathLocale, name);
114
115     if ((rl = _Read_RuneMagi(path)) == NULL) {
116         __locdata_free(ldata);
117         __locdata_release(ldata);
118         errno = EINVAL;
119         return (NULL);
120     }
121     ldata->l_data[1] = rl;
122
123     lct->lc_mbrtowc = NULL;
124     lct->lc_mbsinit = NULL;
125     lct->lc_mbsnrtowcs = NULL;
126     lct->lc_wcrtomb = NULL;
127     lct->lc_wcsnrtombs = NULL;
128     lct->lc_ctype_mask = rl->__runetype;
129     lct->lc_trans_upper = rl->__mapupper;
130     lct->lc_trans_lower = rl->__maplower;
131
132     /* set up the function pointers */
133     for (i = 0; encodings[i].e_name != NULL; i++) {
134         int l = strlen(encodings[i].e_name);
135         if ((strncmp(rl->__encoding, encodings[i].e_name, l) == 0) &&
136             (rl->__encoding[l] == '\0' || rl->__encoding[l] == '@')) {
137             encodings[i].e_init(lct);
138             break;
139         }
140     }
141     if (encodings[i].e_name == NULL) {
142         __locdata_free(ldata);
143         __locdata_release(ldata);
144         errno = EINVAL;
145         return (NULL);
146     }
147 }
```

```
147         return (ldata);
148     }
_____unchanged_portion_omitted_____
```

new/usr/src/lib/libc/port/locale/timelocal.c

1

\*\*\*\*\*  
3167 Sun Jun 29 11:51:47 2014

new/usr/src/lib/libc/port/locale/timelocal.c

Thread safety fixes.

\*\*\*\*\*

\_\_\_\_\_unchanged\_portion\_omitted\_\_\_\_\_

```
86 struct locdata __posix_time_locdata = {
87     .l_lname = "C",
88     .l_refcnt = (uint32_t)-1,
88     .l_data = { &lc_time_posix }
89 };
```

```
91 struct locdata *
92 __lc_time_load(const char *name)
93 {
94     struct locdata *ldata;
95     struct lc_time *ltime;
96     int ret;
```

```
98     if ((ldata = __locdata_alloc(name, sizeof (*ltime))) == NULL) {
99         errno = EINVAL;
100         return (NULL);
101     }
102     ltime = ldata->l_data[0];
```

```
104     ret = __part_load_locale(name, (char **)&ldata->l_data[1],
105     "LC_TIME", LCTIME_SIZE, LCTIME_SIZE, (const char **)ltime);
```

```
107     if (ret != _LDP_LOADED) {
108         __locdata_free(ldata);
109         __locdata_release(ldata);
109         errno = EINVAL;
110         return (NULL);
111     }
```

```
113     return (ldata);
114 }
```

\_\_\_\_\_unchanged\_portion\_omitted\_\_\_\_\_



new/usr/src/lib/libc/port/locale/wctomb.c

1

\*\*\*\*\*

1961 Sun Jun 29 11:51:49 2014

new/usr/src/lib/libc/port/locale/wctomb.c

Thread safety fixes.

\*\*\*\*\*

```
1 /*
2  * Copyright 2014 Garrett D'Amore <garrett@damore.org>
3  * Copyright 2013 Garrett D'Amore <garrett@damore.org>
4  * Copyright 2010 Nexenta Systems, Inc. All rights reserved.
5  * Copyright (c) 2002-2004 Tim J. Robbins.
6  * All rights reserved.
7  *
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9  * modification, are permitted provided that the following conditions
10 * are met:
11 * 1. Redistributions of source code must retain the above copyright
12 * notice, this list of conditions and the following disclaimer.
13 * 2. Redistributions in binary form must reproduce the above copyright
14 * notice, this list of conditions and the following disclaimer in the
15 * documentation and/or other materials provided with the distribution.
16 *
17 * THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND
18 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
19 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
20 * ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
21 * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
22 * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
23 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
24 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
25 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
26 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
27 * SUCH DAMAGE.
28 */
29 #include "lint.h"
30 #include <stdlib.h>
31 #include <wchar.h>
32 #include <locale.h>
33 #include <xlocale.h>
34 #include "mblocal.h"
35
36 int
37 wctomb_l(char *s, wchar_t wchar, locale_t loc)
38 {
39     mbstate_t mbs = { 0 };
40     static const mbstate_t initial = { 0 };
41     static mbstate_t mbs;
42     size_t rval;
43
44     if (s == NULL) {
45         /* No support for state dependent encodings. */
46         mbs = initial;
47         return (0);
48     }
49     if ((rval = wctomb_l(s, wchar, &mbs, loc)) == (size_t)-1)
50         return (-1);
51     return ((int)rval);
52 }
53
54 _____
55 unchanged_portion_omitted
```

```

*****
63947 Sun Jun 29 11:51:52 2014
new/usr/src/man/man3c/Makefile
Garrett's man page edits.
*****
1 #
2 # This file and its contents are supplied under the terms of the
3 # Common Development and Distribution License ("CDDL"), version 1.0.
4 # You may only use this file in accordance with the terms of version
5 # 1.0 of the CDDL.
6 #
7 # A full copy of the text of the CDDL should have accompanied this
8 # source. A copy of the CDDL is also available via the Internet
9 # at http://www.illumos.org/license/CDDL.
10 #
11 #
12 #
13 # Copyright 2011, Richard Lowe
14 # Copyright 2013 Nexenta Systems, Inc. All rights reserved.
15 # Copyright 2013, OmniTI Computer Consulting, Inc. All rights reserved.
16 # Copyright 2014 Garrett D'Amore <garrett@damore.org>
17 #
18 #
19 include      $(SRC)/Makefile.master
20 #
21 MANSECT=     3c
22 #
23 MANFILES=    __fbufsize.3c
24              _longjmp.3c
25              _stack_grow.3c
26              a64l.3c
27              abort.3c
28              abs.3c
29              addsev.3c
30              addseverity.3c
31              aio_cancel.3c
32              aio_error.3c
33              aio_fsync.3c
34              aio_read.3c
35              aio_return.3c
36              aio_suspend.3c
37              aio_waitn.3c
38              aio_write.3c
39              aiocancel.3c
40              aioread.3c
41              aiowait.3c
42              assert.3c
43              atexit.3c
44              atomic_add.3c
45              atomic_and.3c
46              atomic_bits.3c
47              atomic_cas.3c
48              atomic_dec.3c
49              atomic_inc.3c
50              atomic_ops.3c
51              atomic_or.3c
52              atomic_swap.3c
53              attropen.3c
54              basename.3c
55              bsd_signal.3c
56              bsearch.3c
57              bstring.3c
58              btowc.3c
59              catgets.3c
60              catopen.3c
61              cfgetispeed.3c

```

```

62              cfsetispeed.3c
63              clock.3c
64              clock_nanosleep.3c
65              clock_settime.3c
66              closedir.3c
67              closefrom.3c
68              cond_init.3c
69              confstr.3c
70              crypt.3c
71              crypt_genhash_impl.3c
72              crypt_gensalt.3c
73              crypt_gensalt_impl.3c
74              cset.3c
75              ctermid.3c
76              ctime.3c
77              ctype.3c
78              cuserid.3c
79              daemon.3c
80              decimal_to_floating.3c
81              difftime.3c
82              directio.3c
83              dirfd.3c
84              dirname.3c
85              div.3c
86              dladdr.3c
87              dlclose.3c
88              dldump.3c
89              dlerror.3c
90              dlopen.3c
91              dlsym.3c
92              door_bind.3c
93              door_call.3c
94              door_create.3c
95              door_cred.3c
96              door_getparam.3c
97              door_info.3c
98              door_return.3c
99              door_revoke.3c
100             door_server_create.3c
101             door_ucred.3c
102             drand48.3c
103             dup2.3c
104             econvert.3c
105             ecvt.3c
106             enable_extended_FILE_stdio.3c
107             encrypt.3c
108             end.3c
109             err.3c
110             euclen.3c
111             exit.3c
112             fattach.3c
113             fclose.3c
114             fdasyncc.3c
115             fdetach.3c
116             fdopen.3c
117             ferrror.3c
118             fflush.3c
119             ffs.3c
120             fgetattr.3c
121             fgetc.3c
122             fgetpos.3c
123             fgetwc.3c
124             floating_to_decimal.3c
125             flockfile.3c
126             fmtmsg.3c

```

```

128     fnmatch.3c
129     fopen.3c
130     fpgetround.3c
131     fputc.3c
132     fputwc.3c
133     fputws.3c
134     fread.3c
135     freopen.3c
136     fseek.3c
137     fsetpos.3c
138     fsync.3c
139     ftell.3c
140     ftime.3c
141     ftok.3c
142     ftw.3c
143     fwide.3c
144     fwprintf.3c
145     fwrite.3c
146     fwscanf.3c
147     getcpuid.3c
148     getcwd.3c
149     getdate.3c
150     getdtablesize.3c
151     getenv.3c
152     getexecname.3c
153     getgrnam.3c
154     gethostid.3c
155     gethostname.3c
156     gethrtime.3c
157     getline.3c
158     getloadavg.3c
159     getlogin.3c
160     getmntent.3c
161     getnetgrent.3c
162     getopt.3c
163     getpagesize.3c
164     getpagesizes.3c
165     getpass.3c
166     getpeerucred.3c
167     getpriority.3c
168     getpw.3c
169     getpwnam.3c
170     getrusage.3c
171     gets.3c
172     getspname.3c
173     getsubopt.3c
174     gettext.3c
175     gettimeofday.3c
176     gettxt.3c
177     getusershell.3c
178     getutent.3c
179     getutxent.3c
180     getvfsent.3c
181     getwc.3c
182     getwchar.3c
183     getwd.3c
184     getwidth.3c
185     getws.3c
186     getzoneid.3c
187     glob.3c
188     grantpt.3c
189     hsearch.3c
190     iconv.3c
191     iconv_close.3c
192     iconv_open.3c
193     imaxabs.3c

```

```

194     imaxdiv.3c
195     index.3c
196     initgroups.3c
197     insque.3c
198     is_system_labeled.3c
199     isaexec.3c
200     isastream.3c
201     isatty.3c
202     isnand.3c
203     iswalph.3c
204     iswctype.3c
205     killpg.3c
206     lckpddf.3c
207     lfmt.3c
208     lio_listio.3c
209     localeconv.3c
210     lockf.3c
211     lsearch.3c
212     madvise.3c
213     makecontext.3c
214     makedev.3c
215     malloc.3c
216     mblen.3c
217     mbrlen.3c
218     mbrtowc.3c
219     mbsinit.3c
220     mbsrtowcs.3c
221     mbtowc.3c
222     membar_ops.3c
223     memory.3c
224     mkfifo.3c
225     mkstemp.3c
226     mktemp.3c
227     nktime.3c
228     mlock.3c
229     mlockall.3c
230     monitor.3c
231     mq_close.3c
232     mq_getattr.3c
233     mq_notify.3c
234     mq_open.3c
235     mq_receive.3c
236     mq_send.3c
237     mq_setattr.3c
238     mq_unlink.3c
239     msync.3c
240     mutex_init.3c
241     nanosleep.3c
242     ndbm.3c
243     newlocale.3c
244     nl_langinfo.3c
245     offsetof.3c
246     opendir.3c
247     perror.3c
248     pfmt.3c
249     plock.3c
250     popen.3c
251     port_alert.3c
252     port_associate.3c
253     port_create.3c
254     port_get.3c
255     port_send.3c
256     posix_fadvise.3c
257     posix_fallocate.3c
258     posix_madvise.3c
259     posix_memalign.3c

```

```

260 posix_openpt.3c //
261 posix_spawn.3c //
262 posix_spawn_file_actions_addclose.3c //
263 posix_spawn_file_actions_addclosefrom_np.3c //
264 posix_spawn_file_actions_adddup2.3c //
265 posix_spawn_file_actions_destroy.3c //
266 posix_spawn_pipe_np.3c //
267 posix_spawnattr_destroy.3c //
268 posix_spawnattr_getflags.3c //
269 posix_spawnattr_getpgroup.3c //
270 posix_spawnattr_getschedparam.3c //
271 posix_spawnattr_getschedpolicy.3c //
272 posix_spawnattr_getsigdefault.3c //
273 posix_spawnattr_getsigignore_np.3c //
274 posix_spawnattr_getsigmask.3c //
275 printf.3c //
276 priv_addset.3c //
277 priv_set.3c //
278 priv_str_to_set.3c //
279 pset_getloadavg.3c //
280 psignal.3c //
281 pthread_atfork.3c //
282 pthread_attr_getdetachstate.3c //
283 pthread_attr_getguardsize.3c //
284 pthread_attr_getinheritsched.3c //
285 pthread_attr_getschedparam.3c //
286 pthread_attr_getschedpolicy.3c //
287 pthread_attr_getscope.3c //
288 pthread_attr_getstack.3c //
289 pthread_attr_getstackaddr.3c //
290 pthread_attr_getstacksize.3c //
291 pthread_attr_init.3c //
292 pthread_barrier_destroy.3c //
293 pthread_barrier_wait.3c //
294 pthread_barrierattr_destroy.3c //
295 pthread_barrierattr_getpshared.3c //
296 pthread_cancel.3c //
297 pthread_cleanup_pop.3c //
298 pthread_cleanup_push.3c //
299 pthread_cond_init.3c //
300 pthread_cond_signal.3c //
301 pthread_cond_wait.3c //
302 pthread_condattr_getclock.3c //
303 pthread_condattr_getpshared.3c //
304 pthread_condattr_init.3c //
305 pthread_create.3c //
306 pthread_detach.3c //
307 pthread_equal.3c //
308 pthread_exit.3c //
309 pthread_getconcurrency.3c //
310 pthread_getschedparam.3c //
311 pthread_getspecific.3c //
312 pthread_join.3c //
313 pthread_key_create.3c //
314 pthread_key_delete.3c //
315 pthread_kill.3c //
316 pthread_mutex_getprioceiling.3c //
317 pthread_mutex_init.3c //
318 pthread_mutex_lock.3c //
319 pthread_mutex_timedlock.3c //
320 pthread_mutexattr_getprioceiling.3c //
321 pthread_mutexattr_getprotocol.3c //
322 pthread_mutexattr_getpshared.3c //
323 pthread_mutexattr_gettype.3c //
324 pthread_mutexattr_init.3c //
325 pthread_once.3c //

```

```

326 pthread_rwlock_init.3c //
327 pthread_rwlock_rdlock.3c //
328 pthread_rwlock_timedrdlock.3c //
329 pthread_rwlock_timedwrlock.3c //
330 pthread_rwlock_unlock.3c //
331 pthread_rwlock_wrlock.3c //
332 pthread_rwlockattr_getpshared.3c //
333 pthread_rwlockattr_init.3c //
334 pthread_self.3c //
335 pthread_setcancelstate.3c //
336 pthread_setcanceltype.3c //
337 pthread_setschedprio.3c //
338 pthread_sigmask.3c //
339 pthread_spin_destroy.3c //
340 pthread_spin_lock.3c //
341 pthread_spin_unlock.3c //
342 pthread_testcancel.3c //
343 ptrace.3c //
344 ptsname.3c //
345 putenv.3c //
346 putpwent.3c //
347 puts.3c //
348 putspent.3c //
349 putws.3c //
350 qsort.3c //
351 raise.3c //
352 rand.3c //
353 random.3c //
354 rctl_walk.3c //
355 rctlblk_set_value.3c //
356 re_comp.3c //
357 readdir.3c //
358 realpath.3c //
359 reboot.3c //
360 regcmp.3c //
361 regcomp.3c //
362 remove.3c //
363 rewind.3c //
364 rewinddir.3c //
365 rlock.3c //
366 scandir.3c //
367 scanf.3c //
368 sched_get_priority_max.3c //
369 sched_getparam.3c //
370 sched_getscheduler.3c //
371 sched_rr_get_interval.3c //
372 sched_setparam.3c //
373 sched_setscheduler.3c //
374 sched_yield.3c //
375 schedctl_init.3c //
376 seekdir.3c //
377 select.3c //
378 sem_close.3c //
379 sem_destroy.3c //
380 sem_getvalue.3c //
381 sem_init.3c //
382 sem_open.3c //
383 sem_post.3c //
384 sem_timedwait.3c //
385 sem_unlink.3c //
386 sem_wait.3c //
387 semaphore.3c //
388 setbuf.3c //
389 setbuffer.3c //
390 setcat.3c //
391 setenv.3c //

```

```

392         setjmp.3c
393         setkey.3c
394         setlabel.3c
395         setlocale.3c
396         shm_open.3c
397         shm_unlink.3c
398         sigfpe.3c
399         siginterrupt.3c
400         signal.3c
401         sigqueue.3c
402         sigsetops.3c
403         sigstack.3c
404         sigwaitinfo.3c
405         sleep.3c
406         ssignal.3c
407         stack_getbounds.3c
408         stack_inbounds.3c
409         stack_setbounds.3c
410         stack_violation.3c
411         stdio.3c
412         str2sig.3c
413         strcoll.3c
414         strerror.3c
415 strfmon.3c
416         strftime.3c
417         string.3c
418         string_to_decimal.3c
419         strptime.3c
420         strsignal.3c
421         strtod.3c
422         strtointmax.3c
423         strtol.3c
424         strtoul.3c
425         strtows.3c
426         strxfrm.3c
427         swab.3c
428         sync_instruction_memory.3c
429         sysconf.3c
430         syslog.3c
431         system.3c
432         tcdrain.3c
433         tcflow.3c
434         tcflush.3c
435         togetattnr.3c
436         togetpgrp.3c
437         togetsid.3c
438         tcsendbreak.3c
439         tcsetattr.3c
440         tcsetpgrp.3c
441         tell.3c
442         telldir.3c
443         termios.3c
444         thr_create.3c
445         thr_exit.3c
446         thr_getconcurrency.3c
447         thr_getprio.3c
448         thr_join.3c
449         thr_keycreate.3c
450         thr_kill.3c
451         thr_main.3c
452         thr_min_stack.3c
453         thr_self.3c
454         thr_sigsetmask.3c
455         thr_stksegment.3c
456         thr_suspend.3c
457         thr_yield.3c

```

```

458         timer_create.3c
459         timer_delete.3c
460         timer_settime.3c
461         timeradd.3c
462         tmpfile.3c
463         tmpnam.3c
464         toascii.3c
465         tolower.3c
466         toupper.3c
467 tolower.3c
468 toupper.3c
469         truncate.3c
470         tsearch.3c
471         ttyname.3c
472         ttyslot.3c
473         u8_strcmp.3c
474         u8_textprep_str.3c
475         u8_validate.3c
476         ualarm.3c
477         uconv_ul6tou32.3c
478         ucred_get.3c
479         ungetc.3c
480         ungetwc.3c
481         unlockpt.3c
482         unsetenv.3c
483 uselocale.3c
484         usleep.3c
485         vfwprintf.3c
486         vlfmt.3c
487         vpfmt.3c
488         vprintf.3c
489         vsyslog.3c
490         wait.3c
491         wait3.3c
492         waitpid.3c
493         walkcontext.3c
494         wcrtoomb.3c
495         wscoll.3c
496         wcsftime.3c
497         wcsrtoombs.3c
498         wcsstr.3c
499         wcstod.3c
500         wcstoimax.3c
501         wcstol.3c
502         wcstoul.3c
503         wcstring.3c
504         wcswidth.3c
505         wcsxfrm.3c
506         wctob.3c
507         wctomb.3c
508 wctrans.3c
509         wctype.3c
510         wcwidth.3c
511         wmemchr.3c
512         wmemcmp.3c
513         wmemcpy.3c
514         wmemmove.3c
515         wmemset.3c
516         wordexp.3c
517         wsprintf.3c
518         wsscanf.3c
519         wstring.3c

521 MANLINKS=         FD_CLR.3c
522                   FD_ISSET.3c
523                   FD_SET.3c

```

```

524 FD_ZERO.3c //
525 __flbf.3c //
526 __fpending.3c //
527 __fpurge.3c //
528 __freadable.3c //
529 __freading.3c //
530 __fsetlocking.3c //
531 __fwritable.3c //
532 __fwriting.3c //
533 _edata.3c //
534 _end.3c //
535 _etext.3c //
536 _exithandle.3c //
537 _flushlbf.3c //
538 _setjmp.3c //
539 addrtosymstr.3c //
540 aiowrite.3c //
541 alloca.3c //
542 alphasort.3c //
543 ascftime.3c //
544 asctime.3c //
545 asctime_r.3c //
546 asprintf.3c //
547 atof.3c //
548 atoi.3c //
549 atol.3c //
550 atoll.3c //
551 atomic_add_16.3c //
552 atomic_add_16_nv.3c //
553 atomic_add_32.3c //
554 atomic_add_32_nv.3c //
555 atomic_add_64.3c //
556 atomic_add_64_nv.3c //
557 atomic_add_8.3c //
558 atomic_add_8_nv.3c //
559 atomic_add_char.3c //
560 atomic_add_char_nv.3c //
561 atomic_add_int.3c //
562 atomic_add_int_nv.3c //
563 atomic_add_long.3c //
564 atomic_add_long_nv.3c //
565 atomic_add_ptr.3c //
566 atomic_add_ptr_nv.3c //
567 atomic_add_short.3c //
568 atomic_add_short_nv.3c //
569 atomic_and_16.3c //
570 atomic_and_16_nv.3c //
571 atomic_and_32.3c //
572 atomic_and_32_nv.3c //
573 atomic_and_64.3c //
574 atomic_and_64_nv.3c //
575 atomic_and_8.3c //
576 atomic_and_8_nv.3c //
577 atomic_and_uchar.3c //
578 atomic_and_uchar_nv.3c //
579 atomic_and_uint.3c //
580 atomic_and_uint_nv.3c //
581 atomic_and_ulong.3c //
582 atomic_and_ulong_nv.3c //
583 atomic_and_ushort.3c //
584 atomic_and_ushort_nv.3c //
585 atomic_cas_16.3c //
586 atomic_cas_32.3c //
587 atomic_cas_64.3c //
588 atomic_cas_8.3c //
589 atomic_cas_ptr.3c //

```

```

590 atomic_cas_uchar.3c //
591 atomic_cas_uint.3c //
592 atomic_cas_ulong.3c //
593 atomic_cas_ushort.3c //
594 atomic_clear_long_excl.3c //
595 atomic_dec_16.3c //
596 atomic_dec_16_nv.3c //
597 atomic_dec_32.3c //
598 atomic_dec_32_nv.3c //
599 atomic_dec_64.3c //
600 atomic_dec_64_nv.3c //
601 atomic_dec_8.3c //
602 atomic_dec_8_nv.3c //
603 atomic_dec_ptr.3c //
604 atomic_dec_ptr_nv.3c //
605 atomic_dec_uchar.3c //
606 atomic_dec_uchar_nv.3c //
607 atomic_dec_uint.3c //
608 atomic_dec_uint_nv.3c //
609 atomic_dec_ulong.3c //
610 atomic_dec_ulong_nv.3c //
611 atomic_dec_ushort.3c //
612 atomic_dec_ushort_nv.3c //
613 atomic_inc_16.3c //
614 atomic_inc_16_nv.3c //
615 atomic_inc_32.3c //
616 atomic_inc_32_nv.3c //
617 atomic_inc_64.3c //
618 atomic_inc_64_nv.3c //
619 atomic_inc_8.3c //
620 atomic_inc_8_nv.3c //
621 atomic_inc_ptr.3c //
622 atomic_inc_ptr_nv.3c //
623 atomic_inc_uchar.3c //
624 atomic_inc_uchar_nv.3c //
625 atomic_inc_uint.3c //
626 atomic_inc_uint_nv.3c //
627 atomic_inc_ulong.3c //
628 atomic_inc_ulong_nv.3c //
629 atomic_inc_ushort.3c //
630 atomic_inc_ushort_nv.3c //
631 atomic_or_16.3c //
632 atomic_or_16_nv.3c //
633 atomic_or_32.3c //
634 atomic_or_32_nv.3c //
635 atomic_or_64.3c //
636 atomic_or_64_nv.3c //
637 atomic_or_8.3c //
638 atomic_or_8_nv.3c //
639 atomic_or_uchar.3c //
640 atomic_or_uchar_nv.3c //
641 atomic_or_uint.3c //
642 atomic_or_uint_nv.3c //
643 atomic_or_ulong.3c //
644 atomic_or_ulong_nv.3c //
645 atomic_or_ushort.3c //
646 atomic_or_ushort_nv.3c //
647 atomic_set_long_excl.3c //
648 atomic_swap_16.3c //
649 atomic_swap_32.3c //
650 atomic_swap_64.3c //
651 atomic_swap_8.3c //
652 atomic_swap_ptr.3c //
653 atomic_swap_uchar.3c //
654 atomic_swap_uint.3c //
655 atomic_swap_ulong.3c //

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```

656 atomic_swap_ushort.3c
657 backtrace.3c
658 backtrace_symbols.3c
659 backtrace_symbols_fd.3c
660 bcmp.3c
661 bcopy.3c
662 bind_textdomain_codeset.3c
663 bindtextdomain.3c
664 btowc.1.3c
665 bzero.3c
666 calloc.3c
667 catclose.3c
668 cfgetospeed.3c
669 cfsetospeed.3c
670 cftime.3c
671 clearerr.3c
672 clock_getres.3c
673 clock_gettime.3c
674 closelog.3c
675 cond_broadcast.3c
676 cond_destroy.3c
677 cond_reltimedwait.3c
678 cond_signal.3c
679 cond_timedwait.3c
680 cond_wait.3c
681 csetcol.3c
682 csetlen.3c
683 csetno.3c
684 ctermid_r.3c
685 ctime_r.3c
686 dbm_clearerr.3c
687 dbm_close.3c
688 dbm_delete.3c
689 dbm_error.3c
690 dbm_fetch.3c
691 dbm_firstkey.3c
692 dbm_nextkey.3c
693 dbm_open.3c
694 dbm_store.3c
695 dcgettext.3c
696 dcngettext.3c
697 decimal_to_double.3c
698 decimal_to_extended.3c
699 decimal_to_quadruple.3c
700 decimal_to_single.3c
701 dgettext.3c
702 dladdr1.3c
703 dlmopen.3c
704 dngettext.3c
705 door_setparam.3c
706 door_unbind.3c
707 double_to_decimal.3c
708 dup3.3c
709 duplocale.3c
710 edata.3c
711 endgrent.3c
712 endnetgrent.3c
713 endpwent.3c
714 endspent.3c
715 endusershell.3c
716 endutent.3c
717 endutxent.3c
718 erand48.3c
719 errno.3c
720 errx.3c
721 etext.3c

```

```

722 euccol.3c
723 eucscol.3c
724 extended_to_decimal.3c
725 fconvert.3c
726 fcvt.3c
727 fdopendir.3c
728 fdwalk.3c
729 feof.3c
730 fgetgrent.3c
731 fgetgrent_r.3c
732 fgetpwent.3c
733 fgetpwent_r.3c
734 fgets.3c
735 fgetspent.3c
736 fgetspent_r.3c
737 fgetwc.1.3c
738 fgetws.3c
739 file_to_decimal.3c
740 fileno.3c
741 finite.3c
742 fpclass.3c
743 fpgetmask.3c
744 fpgetsticky.3c
745 fprintf.3c
746 fpsetmask.3c
747 fpsetround.3c
748 fpsetsticky.3c
749 fputs.3c
750 free.3c
751 freelocale.3c
752 fscanf.3c
753 fseeko.3c
754 fsetattr.3c
755 ftello.3c
756 ftruncate.3c
757 ftrylockfile.3c
758 func_to_decimal.3c
759 funlockfile.3c
760 gconvert.3c
761 gcvt.3c
762 getatrat.3c
763getc.3c
764getc_unlocked.3c
765getchar.3c
766getchar_unlocked.3c
767getdelim.3c
768getextmntent.3c
769getgrent.3c
770getgrent_r.3c
771getgrgid.3c
772getgrgid_r.3c
773getgrnam_r.3c
774gethomegroup.3c
775gethrvtime.3c
776getlogin_r.3c
777getmntany.3c
778getnetgrent_r.3c
779getpassphrase.3c
780getpwent.3c
781getpwent_r.3c
782getpwnam_r.3c
783getpwuid.3c
784getpwuid_r.3c
785getspent.3c
786getspent_r.3c
787getspnam_r.3c

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```

788          getutid.3c          \
789          getutline.3c       \
790          getutmp.3c         \
791          getutmpx.3c        \
792          getutxid.3c        \
793          getutxline.3c      \
794          getvfsany.3c       \
795          getvfsfile.3c      \
796          getvfsspec.3c     \
797          getw.3c            \
798          getwc_1.3c         \
799          getzoneidbyname.3c \
800          getzonenamebyid.3c \
801          globfree.3c        \
802          gmtime.3c          \
803          gmtime_r.3c        \
804          gsignal.3c         \
805          hasmntopt.3c       \
806          hcreate.3c         \
807          hdestroy.3c        \
808          initstate.3c       \
809          innetr.3c          \
810          isalnum.3c         \
811          isalnum_1.3c       \
812          isalpha.3c         \
813          isalpha_1.3c     \
814          isascii.3c         \
815          isblank.3c         \
816          isblank_1.3c     \
817          iscntrl.3c        \
818          iscntrl_1.3c      \
819          isdigit.3c         \
820          isdigit_1.3c     \
821          isenglish.3c      \
822          isgraph.3c         \
823          isgraph_1.3c     \
824          isideogram.3c     \
825          islower.3c        \
826          islower_1.3c    \
827          isnanf.3c         \
828          isnumber.3c       \
829          isphonogram.3c    \
830          isprint.3c        \
831          isprint_1.3c     \
832          ispunct.3c        \
833          ispunct_1.3c    \
834          isspace.3c        \
835          isspace_1.3c     \
836          isspecial.3c      \
837          isupper.3c        \
838          isupper_1.3c    \
839          iswalnum.3c       \
840          iswalnum_1.3c    \
841          iswalpha_1.3c    \
842          iswascii.3c       \
843          iswblank.3c       \
844          iswblank_1.3c   \
845          iswcntrl.3c       \
846          iswcntrl_1.3c   \
847          iswctype_1.3c   \
848          iswdigit.3c       \
849          iswdigit_1.3c   \
850          iswgraph.3c       \
851          iswgraph_1.3c   \
852          iswideogram.3c  \
853          iswideogram_1.3c

```

```

854          iswhexnumber.3c \
855          iswhexnumber_1.3c \
856          iswlower.3c       \
857          iswlower_1.3c   \
858          iswnumber.3c    \
859          iswnumber_1.3c  \
860          iswphonogram.3c \
861          iswphonogram_1.3c \
862          iswprint.3c       \
863          iswprint_1.3c   \
864          iswpunct.3c       \
865          iswpunct_1.3c   \
866          iswspace.3c       \
867          iswspace_1.3c   \
868          iswspecial.3c   \
869          iswspecial_1.3c \
870          iswupper.3c       \
871          iswupper_1.3c   \
872          iswxdigit.3c      \
873          iswxdigit_1.3c  \
874          isxdigit.3c       \
875          isxdigit_1.3c  \
876          jrand48.3c        \
877          l64a.3c           \
878          labs.3c           \
879          lcong48.3c        \
880          ldiv.3c           \
881          lfind.3c          \
882          llabs.3c          \
883          lldiv.3c          \
884          lltostr.3c        \
885          localtime.3c      \
886          localtime_r.3c    \
887          longjmp.3c        \
888          lrand48.3c        \
889          major.3c          \
890          mblen_1.3c         \
891          mbrlen_1.3c        \
892          mbrtowc_1.3c       \
893          mbsinit_1.3c      \
894          mbsnrtowcs.3c     \
895          mbsnrtowcs_1.3c   \
896          mbsrtowcs_1.3c   \
897          mbstowcs.3c      \
898          mbstowcs_1.3c    \
899          mbtowc_1.3c      \
900          memalign.3c       \
901          membar_consumer.3c \
902          membar_enter.3c   \
903          membar_exit.3c    \
904          membar_producer.3c \
905          memccpy.3c        \
906          memchr.3c         \
907          memcmp.3c         \
908          memcpy.3c         \
909          memmove.3c        \
910          memset.3c         \
911          minor.3c         \
912          mkdtemp.3c        \
913          mkostemp.3c       \
914          mkostemps.3c     \
915          mkstemp.3c        \
916          mq_reltimedreceive_np.3c \
917          mq_reltimedsend_np.3c \
918          mq_timedreceive.3c \
919          mq_timedsend.3c

```



```

920      mrand48.3c      //
921      munlock.3c      //
922      munlockall.3c   //
923      mutex_consistent.3c //
924      mutex_destroy.3c //
925      mutex_lock.3c   //
926      mutex_trylock.3c //
927      mutex_unlock.3c //
928      nl_langinfo.1.3c //
929      nftw.3c         //
930      ngettext.3c     //
931      nrand48.3c      //
932      openlog.3c      //
933      pclose.3c       //
934      port_dissociate.3c //
935      port_getn.3c    //
936      port_sendn.3c   //
937      posix_spawn_file_actions_addopen.3c //
938      posix_spawn_file_actions_init.3c //
939      posix_spawnattr_init.3c //
940      posix_spawnattr_setflags.3c //
941      posix_spawnattr_setpgroup.3c //
942      posix_spawnattr_setschedparam.3c //
943      posix_spawnattr_setschedpolicy.3c //
944      posix_spawnattr_setsigdefault.3c //
945      posix_spawnattr_setsigignore_np.3c //
946      posix_spawnattr_setsigmask.3c //
947      posix_spawnnp.3c //
948      printstack.3c   //
949      priv_allocset.3c //
950      priv_basicset.3c //
951      priv_copysset.3c //
952      priv_delset.3c  //
953      priv_emptyset.3c //
954      priv_fillset.3c //
955      priv_freeset.3c //
956      priv_getbyname.3c //
957      priv_getbynum.3c //
958      priv_getsetbyname.3c //
959      priv_getsetbynum.3c //
960      priv_gettext.3c //
961      priv_ineffect.3c //
962      priv_intersect.3c //
963      priv_inverse.3c //
964      priv_isemptyset.3c //
965      priv_isequalset.3c //
966      priv_isfullset.3c //
967      priv_ismember.3c //
968      priv_issubset.3c //
969      priv_set_to_str.3c //
970      priv_union.3c   //
971      pselect.3c      //
972      psiginfo.3c     //
973      pthread_attr_destroy.3c //
974      pthread_attr_setdetachstate.3c //
975      pthread_attr_setguardsize.3c //
976      pthread_attr_setinheritsched.3c //
977      pthread_attr_setschedparam.3c //
978      pthread_attr_setschedpolicy.3c //
979      pthread_attr_setscope.3c //
980      pthread_attr_setstack.3c //
981      pthread_attr_setstackaddr.3c //
982      pthread_attr_setstacksize.3c //
983      pthread_barrier_init.3c //
984      pthread_barrierattr_init.3c //
985      pthread_barrierattr_setpshared.3c //

```

```

986      pthread_cond_broadcast.3c //
987      pthread_cond_destroy.3c //
988      pthread_cond_reltimedwait_np.3c //
989      pthread_cond_timedwait.3c //
990      pthread_condattr_destroy.3c //
991      pthread_condattr_setclock.3c //
992      pthread_condattr_setpshared.3c //
993      pthread_key_create_once_np.3c //
994      pthread_mutex_destroy.3c //
995      pthread_mutex_reltimedlock_np.3c //
996      pthread_mutex_setprioceiling.3c //
997      pthread_mutex_trylock.3c //
998      pthread_mutex_unlock.3c //
999      pthread_mutexattr_destroy.3c //
1000     pthread_mutexattr_setprioceiling.3c //
1001     pthread_mutexattr_setprotocol.3c //
1002     pthread_mutexattr_setpshared.3c //
1003     pthread_mutexattr_settype.3c //
1004     pthread_rwlock_destroy.3c //
1005     pthread_rwlock_reltimedrdlock_np.3c //
1006     pthread_rwlock_reltimedwrllock_np.3c //
1007     pthread_rwlock_tryrdlock.3c //
1008     pthread_rwlock_trywrlock.3c //
1009     pthread_rwlockattr_destroy.3c //
1010     pthread_rwlockattr_setpshared.3c //
1011     pthread_setconcurrency.3c //
1012     pthread_setschedparam.3c //
1013     pthread_setspecific.3c //
1014     pthread_spin_init.3c //
1015     pthread_spin_trylock.3c //
1016     putc.3c //
1017     putc_unlocked.3c //
1018     putchar.3c //
1019     putchar_unlocked.3c //
1020     putmntent.3c //
1021     pututline.3c //
1022     pututxline.3c //
1023     putw.3c //
1024     putwc.3c //
1025     putwchar.3c //
1026     qeconvert.3c //
1027     qfconvert.3c //
1028     qgconvert.3c //
1029     quadruple_to_decimal.3c //
1030     rand_r.3c //
1031     rctlblk_get_enforced_value.3c //
1032     rctlblk_get_firing_time.3c //
1033     rctlblk_get_global_action.3c //
1034     rctlblk_get_global_flags.3c //
1035     rctlblk_get_local_action.3c //
1036     rctlblk_get_local_flags.3c //
1037     rctlblk_get_privilege.3c //
1038     rctlblk_get_recipient_pid.3c //
1039     rctlblk_get_value.3c //
1040     rctlblk_set_local_action.3c //
1041     rctlblk_set_local_flags.3c //
1042     rctlblk_set_privilege.3c //
1043     rctlblk_set_recipient_pid.3c //
1044     rctlblk_size.3c //
1045     re_exec.3c //
1046     readdir_r.3c //
1047     realloc.3c //
1048     regerror.3c //
1049     regex.3c //
1050     regexec.3c //
1051     regfree.3c //

```

```

1052         remque.3c
1053         resetmnttab.3c
1054         rindex.3c
1055         rw_rdlock.3c
1056         rw_tryrdlock.3c
1057         rw_trywrlock.3c
1058         rw_unlock.3c
1059         rw_wrlck.3c
1060         rwlock_destroy.3c
1061         rwlock_init.3c
1062         sched_get_priority_min.3c
1063         schedctl_exit.3c
1064         schedctl_lookup.3c
1065         schedctl_start.3c
1066         schedctl_stop.3c
1067         seconvert.3c
1068         seed48.3c
1069         sem_reltimedwait_np.3c
1070         sem_trywait.3c
1071         sema_destroy.3c
1072         sema_init.3c
1073         sema_post.3c
1074         sema_trywait.3c
1075         sema_wait.3c
1076         setattrat.3c
1077         setgrent.3c
1078         sethostname.3c
1079         setlinebuf.3c
1080         setlogmask.3c
1081         setnetgrent.3c
1082         setpriority.3c
1083         setpwent.3c
1084         setspent.3c
1085         setstate.3c
1086         settimeofday.3c
1087         setusershell.3c
1088         setutent.3c
1089         setutxent.3c
1090         setvbuf.3c
1091         sfconvert.3c
1092         sgconvert.3c
1093         sig2str.3c
1094         sigaddset.3c
1095         sigdelset.3c
1096         sigemptyset.3c
1097         sigfillset.3c
1098         sighold.3c
1099         sigignore.3c
1100         sigismember.3c
1101         siglongjmp.3c
1102         sigpause.3c
1103         sigrelse.3c
1104         sigset.3c
1105         sigsetjmp.3c
1106         sigtimedwait.3c
1107         single_to_decimal.3c
1108         snprintf.3c
1109         sprintf.3c
1110         srand.3c
1111         srand48.3c
1112         srandom.3c
1113         sscanf.3c
1114         stderr.3c
1115         stdin.3c
1116         stdout.3c
1117         strcasecmp.3c

```

```

1118         strcasecmp.1.3c
1119         strcat.3c
1120         strchr.3c
1121         strcmp.3c
1122         strcoll.1.3c
1123         strcpy.3c
1124         strcspn.3c
1125         strdup.3c
1126         strerror_r.3c
1127         strfmon.1.3c
1128         strftime.1.3c
1129         strlcat.3c
1130         strlcpy.3c
1131         strlen.3c
1132         strncasecmp.3c
1133         strncasecmp.1.3c
1134         strncat.3c
1135         strncmp.3c
1136         strncpy.3c
1137         strnlen.3c
1138         strpbrk.3c
1139         strptime.1.3c
1140         strrchr.3c
1141         strsep.3c
1142         strspn.3c
1143         strstr.3c
1144         strtod.3c
1145         strtok.3c
1146         strtok_r.3c
1147         strtold.3c
1148         strtoll.3c
1149         strtoull.3c
1150         strtoumax.3c
1151         strxfrm.1.3c
1152         swapcontext.3c
1153         swprintf.3c
1154         swscanf.3c
1155         tdelete.3c
1156         tempnam.3c
1157         textdomain.3c
1158         tfind.3c
1159         thr_continue.3c
1160         thr_getspecific.3c
1161         thr_keycreate_once.3c
1162         thr_setconcurrency.3c
1163         thr_setprio.3c
1164         thr_setspecific.3c
1165         timer_getoverrun.3c
1166         timer_gettime.3c
1167         timerclear.3c
1168         timercmp.3c
1169         timerisset.3c
1170         timersub.3c
1171         tmpnam_r.3c
1172         tolower.1.3c
1173         toupper.1.3c
1174         towctrans.3c
1175         towctrans.1.3c
1176         tolower.1.3c
1177         toupper.1.3c
1178         ttyname_r.3c
1179         twalk.3c
1180         tzset.3c
1181         uconv_u16tou8.3c
1182         uconv_u32tou16.3c
1183         uconv_u32tou8.3c

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```

1184         uconv_u8toul6.3c  \\
1185         uconv_u8tou32.3c  \\
1186         ucred_free.3c     \\
1187         ucred_getegid.3c  \\
1188         ucred_geteuid.3c  \\
1189         ucred_getgroups.3c \\
1190         ucred_getlabel.3c \\
1191         ucred_getpflags.3c \\
1192         ucred_getpid.3c   \\
1193         ucred_getprivset.3c \\
1194         ucred_getprojid.3c \\
1195         ucred_getrgid.3c  \\
1196         ucred_getruid.3c  \\
1197         ucred_getsgid.3c  \\
1198         ucred_getsuid.3c  \\
1199         ucred_getzoneid.3c \\
1200         ucred_size.3c     \\
1201         ulckpwwf.3c      \\
1202         ulltostr.3c      \\
1203         unordered.3c     \\
1204         updwtmp.3c       \\
1205         updwtmpx.3c      \\
1206         utmpname.3c      \\
1207         utmpxname.3c     \\
1208         valloc.3c        \\
1209         vasprintf.3c     \\
1210         verr.3c          \\
1211         verrx.3c         \\
1212         vfprintf.3c      \\
1213         vfscanf.3c       \\
1214         vfwscanf.3c      \\
1215         vscanf.3c        \\
1216         vsnprintf.3c     \\
1217         vsprintf.3c      \\
1218         vsscanf.3c       \\
1219         vswprintf.3c     \\
1220         vswscanf.3c      \\
1221         vwarn.3c         \\
1222         vwarnx.3c        \\
1223         vwprintf.3c      \\
1224         vwscanf.3c       \\
1225         wait4.3c        \\
1226         warn.3c         \\
1227         warnx.3c        \\
1228         watof.3c         \\
1229         watoi.3c         \\
1230         watol.3c         \\
1231         watoll.3c        \\
1232         wrtomb.1.3c      \\
1233         wscat.3c         \\
1234         wscanf.3c        \\
1235         wscmp.3c         \\
1236         wscoll.1.3c     \\
1237         wscpy.3c         \\
1238         wscspn.3c        \\
1239         wcsetno.3c       \\
1240         wcslen.3c        \\
1241         wcsnecat.3c      \\
1242         wcsncmp.3c       \\
1243         wcsncpy.3c       \\
1244         wscprbrk.3c      \\
1245         wscrchr.3c       \\
1246         wcsspn.3c        \\
1247         wstof.3c         \\
1248         wcstok.3c        \\
1249         wcstold.3c      \\

```

```

1250         wstoll.3c        \\
1251         wcstoull.3c      \\
1252         wcstoumax.3c    \\
1253         wswcs.3c        \\
1254         wswidth.1.3c     \\
1255         wctob.1.3c       \\
1256         wctomb.1.3c     \\
1257         wctrans.1.3c    \\
1258         wctype.1.3c     \\
1259         wcwidth.1.3c   \\
1260         windex.3c       \\
1261         wordfree.3c     \\
1262         wprintf.3c      \\
1263         wrindex.3c      \\
1264         wscanf.3c       \\
1265         wscasecmp.3c    \\
1266         wscat.3c        \\
1267         wchr.3c         \\
1268         wscmp.3c        \\
1269         wscol.3c        \\
1270         wscoll.3c       \\
1271         wscpy.3c        \\
1272         wscspn.3c       \\
1273         wsdup.3c        \\
1274         wslen.3c        \\
1275         wsncasecmp.3c   \\
1276         wsnecat.3c      \\
1277         wsncmp.3c       \\
1278         wscncpy.3c      \\
1279         wspbrk.3c       \\
1280         wsrchr.3c       \\
1281         wssp.3c         \\
1282         wstod.3c        \\
1283         wstok.3c        \\
1284         wstol.3c        \\
1285         wstol.3c        \\
1286         wsxfrm.3c      \\
\\
1288         __flbf.3c       := LINKSRC = __fbufsize.3c
1289         __fpending.3c   := LINKSRC = __fbufsize.3c
1290         __fpurge.3c     := LINKSRC = __fbufsize.3c
1291         __freadable.3c  := LINKSRC = __fbufsize.3c
1292         __freading.3c   := LINKSRC = __fbufsize.3c
1293         __fsetlocking.3c := LINKSRC = __fbufsize.3c
1294         __fwritable.3c   := LINKSRC = __fbufsize.3c
1295         __fwriting.3c   := LINKSRC = __fbufsize.3c
1296         __flushlbf.3c   := LINKSRC = __fbufsize.3c
\\
1298         _setjmp.3c      := LINKSRC = _longjmp.3c
\\
1300         l64a.3c        := LINKSRC = a64l.3c
\\
1302         labs.3c        := LINKSRC = abs.3c
1303         llabs.3c        := LINKSRC = abs.3c
\\
1305         aiowrite.3c     := LINKSRC = aioread.3c
\\
1307         atomic_add_16.3c := LINKSRC = atomic_add.3c
1308         atomic_add_16_nv.3c := LINKSRC = atomic_add.3c
1309         atomic_add_32.3c := LINKSRC = atomic_add.3c
1310         atomic_add_32_nv.3c := LINKSRC = atomic_add.3c
1311         atomic_add_64.3c := LINKSRC = atomic_add.3c
1312         atomic_add_64_nv.3c := LINKSRC = atomic_add.3c
1313         atomic_add_8.3c := LINKSRC = atomic_add.3c
1314         atomic_add_8_nv.3c := LINKSRC = atomic_add.3c
1315         atomic_add_char.3c := LINKSRC = atomic_add.3c

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```

1316 atomic_add_char_nv.3c      := LINKSRC = atomic_add.3c
1317 atomic_add_int.3c          := LINKSRC = atomic_add.3c
1318 atomic_add_int_nv.3c        := LINKSRC = atomic_add.3c
1319 atomic_add_long.3c          := LINKSRC = atomic_add.3c
1320 atomic_add_long_nv.3c       := LINKSRC = atomic_add.3c
1321 atomic_add_ptr.3c           := LINKSRC = atomic_add.3c
1322 atomic_add_ptr_nv.3c        := LINKSRC = atomic_add.3c
1323 atomic_add_short.3c         := LINKSRC = atomic_add.3c
1324 atomic_add_short_nv.3c     := LINKSRC = atomic_add.3c
1325 atomic_and_16.3c           := LINKSRC = atomic_and.3c
1326 atomic_and_16_nv.3c       := LINKSRC = atomic_and.3c
1327 atomic_and_32.3c           := LINKSRC = atomic_and.3c
1328 atomic_and_32_nv.3c        := LINKSRC = atomic_and.3c
1329 atomic_and_64.3c           := LINKSRC = atomic_and.3c
1330 atomic_and_64_nv.3c        := LINKSRC = atomic_and.3c
1331 atomic_and_8.3c            := LINKSRC = atomic_and.3c
1332 atomic_and_8_nv.3c         := LINKSRC = atomic_and.3c
1333 atomic_and_uchar.3c        := LINKSRC = atomic_and.3c
1334 atomic_and_uchar_nv.3c     := LINKSRC = atomic_and.3c
1335 atomic_and_uint.3c          := LINKSRC = atomic_and.3c
1336 atomic_and_uint_nv.3c      := LINKSRC = atomic_and.3c
1337 atomic_and_ulong.3c         := LINKSRC = atomic_and.3c
1338 atomic_and_ulong_nv.3c     := LINKSRC = atomic_and.3c
1339 atomic_and_ushort.3c       := LINKSRC = atomic_and.3c
1340 atomic_and_ushort_nv.3c    := LINKSRC = atomic_and.3c

1342 atomic_clear_long_excl.3c  := LINKSRC = atomic_bits.3c
1343 atomic_set_long_excl.3c    := LINKSRC = atomic_bits.3c

1345 atomic_cas_16.3c           := LINKSRC = atomic_cas.3c
1346 atomic_cas_32.3c           := LINKSRC = atomic_cas.3c
1347 atomic_cas_64.3c           := LINKSRC = atomic_cas.3c
1348 atomic_cas_8.3c            := LINKSRC = atomic_cas.3c
1349 atomic_cas_ptr.3c          := LINKSRC = atomic_cas.3c
1350 atomic_cas_uchar.3c        := LINKSRC = atomic_cas.3c
1351 atomic_cas_uint.3c         := LINKSRC = atomic_cas.3c
1352 atomic_cas_ulong.3c        := LINKSRC = atomic_cas.3c
1353 atomic_cas_ushort.3c       := LINKSRC = atomic_cas.3c

1355 atomic_dec_16.3c           := LINKSRC = atomic_dec.3c
1356 atomic_dec_16_nv.3c       := LINKSRC = atomic_dec.3c
1357 atomic_dec_32.3c           := LINKSRC = atomic_dec.3c
1358 atomic_dec_32_nv.3c        := LINKSRC = atomic_dec.3c
1359 atomic_dec_64.3c           := LINKSRC = atomic_dec.3c
1360 atomic_dec_64_nv.3c        := LINKSRC = atomic_dec.3c
1361 atomic_dec_8.3c            := LINKSRC = atomic_dec.3c
1362 atomic_dec_8_nv.3c         := LINKSRC = atomic_dec.3c
1363 atomic_dec_ptr.3c          := LINKSRC = atomic_dec.3c
1364 atomic_dec_ptr_nv.3c       := LINKSRC = atomic_dec.3c
1365 atomic_dec_uchar.3c        := LINKSRC = atomic_dec.3c
1366 atomic_dec_uchar_nv.3c     := LINKSRC = atomic_dec.3c
1367 atomic_dec_uint.3c         := LINKSRC = atomic_dec.3c
1368 atomic_dec_uint_nv.3c      := LINKSRC = atomic_dec.3c
1369 atomic_dec_ulong.3c        := LINKSRC = atomic_dec.3c
1370 atomic_dec_ulong_nv.3c     := LINKSRC = atomic_dec.3c
1371 atomic_dec_ushort.3c       := LINKSRC = atomic_dec.3c
1372 atomic_dec_ushort_nv.3c    := LINKSRC = atomic_dec.3c

1374 atomic_inc_16.3c           := LINKSRC = atomic_inc.3c
1375 atomic_inc_16_nv.3c       := LINKSRC = atomic_inc.3c
1376 atomic_inc_32.3c           := LINKSRC = atomic_inc.3c
1377 atomic_inc_32_nv.3c        := LINKSRC = atomic_inc.3c
1378 atomic_inc_64.3c           := LINKSRC = atomic_inc.3c
1379 atomic_inc_64_nv.3c       := LINKSRC = atomic_inc.3c
1380 atomic_inc_8.3c            := LINKSRC = atomic_inc.3c
1381 atomic_inc_8_nv.3c         := LINKSRC = atomic_inc.3c

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1382 atomic_inc_ptr.3c          := LINKSRC = atomic_inc.3c
1383 atomic_inc_ptr_nv.3c       := LINKSRC = atomic_inc.3c
1384 atomic_inc_uchar.3c        := LINKSRC = atomic_inc.3c
1385 atomic_inc_uchar_nv.3c     := LINKSRC = atomic_inc.3c
1386 atomic_inc_uint.3c         := LINKSRC = atomic_inc.3c
1387 atomic_inc_uint_nv.3c      := LINKSRC = atomic_inc.3c
1388 atomic_inc_ulong.3c        := LINKSRC = atomic_inc.3c
1389 atomic_inc_ulong_nv.3c     := LINKSRC = atomic_inc.3c
1390 atomic_inc_ushort.3c       := LINKSRC = atomic_inc.3c
1391 atomic_inc_ushort_nv.3c    := LINKSRC = atomic_inc.3c

1393 atomic_or_16.3c            := LINKSRC = atomic_or.3c
1394 atomic_or_16_nv.3c         := LINKSRC = atomic_or.3c
1395 atomic_or_32.3c           := LINKSRC = atomic_or.3c
1396 atomic_or_32_nv.3c        := LINKSRC = atomic_or.3c
1397 atomic_or_64.3c           := LINKSRC = atomic_or.3c
1398 atomic_or_64_nv.3c        := LINKSRC = atomic_or.3c
1399 atomic_or_8.3c            := LINKSRC = atomic_or.3c
1400 atomic_or_8_nv.3c          := LINKSRC = atomic_or.3c
1401 atomic_or_uchar.3c         := LINKSRC = atomic_or.3c
1402 atomic_or_uchar_nv.3c     := LINKSRC = atomic_or.3c
1403 atomic_or_uint.3c          := LINKSRC = atomic_or.3c
1404 atomic_or_uint_nv.3c       := LINKSRC = atomic_or.3c
1405 atomic_or_ulong.3c         := LINKSRC = atomic_or.3c
1406 atomic_or_ulong_nv.3c     := LINKSRC = atomic_or.3c
1407 atomic_or_ushort.3c       := LINKSRC = atomic_or.3c
1408 atomic_or_ushort_nv.3c    := LINKSRC = atomic_or.3c

1410 atomic_swap_16.3c          := LINKSRC = atomic_swap.3c
1411 atomic_swap_32.3c          := LINKSRC = atomic_swap.3c
1412 atomic_swap_64.3c          := LINKSRC = atomic_swap.3c
1413 atomic_swap_8.3c           := LINKSRC = atomic_swap.3c
1414 atomic_swap_ptr.3c         := LINKSRC = atomic_swap.3c
1415 atomic_swap_uchar.3c       := LINKSRC = atomic_swap.3c
1416 atomic_swap_uint.3c        := LINKSRC = atomic_swap.3c
1417 atomic_swap_ulong.3c       := LINKSRC = atomic_swap.3c
1418 atomic_swap_ushort.3c      := LINKSRC = atomic_swap.3c

1420 bcmp.3c                   := LINKSRC = bstring.3c
1421 bcopy.3c                   := LINKSRC = bstring.3c
1422 bzero.3c                   := LINKSRC = bstring.3c

1424 btowc_1.3c                := LINKSRC = btowc.3c

1426 catclose.3c              := LINKSRC = catopen.3c

1428 cfgetospeed.3c           := LINKSRC = cfgetispeed.3c

1430 cfsetospeed.3c           := LINKSRC = cfsetispeed.3c

1432 clock_getres.3c           := LINKSRC = clock_settime.3c
1433 clock_gettime.3c          := LINKSRC = clock_settime.3c

1435 fdwalk.3c                 := LINKSRC = closefrom.3c

1437 cond_broadcast.3c         := LINKSRC = cond_init.3c
1438 cond_destroy.3c           := LINKSRC = cond_init.3c
1439 cond_reltimedwait.3c     := LINKSRC = cond_init.3c
1440 cond_signal.3c            := LINKSRC = cond_init.3c
1441 cond_timedwait.3c        := LINKSRC = cond_init.3c
1442 cond_wait.3c              := LINKSRC = cond_init.3c

1444 csetcol.3c                 := LINKSRC = cset.3c
1445 csetlen.3c                 := LINKSRC = cset.3c
1446 csetno.3c                  := LINKSRC = cset.3c
1447 wcsetno.3c                 := LINKSRC = cset.3c

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1449 ctermid_r.3c          := LINKSRC = ctermid.3c

1451 asctime.3c           := LINKSRC = ctime.3c
1452 asctime_r.3c         := LINKSRC = ctime.3c
1453 ctime_r.3c           := LINKSRC = ctime.3c
1454 gmtime.3c            := LINKSRC = ctime.3c
1455 gmtime_r.3c          := LINKSRC = ctime.3c
1456 localtime.3c         := LINKSRC = ctime.3c
1457 localtime_r.3c       := LINKSRC = ctime.3c
1458 tzset.3c              := LINKSRC = ctime.3c

1460 isalnum.3c            := LINKSRC = ctype.3c
1461 isalnum_1.3c         := LINKSRC = ctype.3c
1462 isalpha.3c            := LINKSRC = ctype.3c
1463 isalpha_1.3c        := LINKSRC = ctype.3c
1464 isascii.3c            := LINKSRC = ctype.3c
1465 isblank.3c           := LINKSRC = ctype.3c
1466 isblank_1.3c        := LINKSRC = ctype.3c
1467 iscntrl.3c           := LINKSRC = ctype.3c
1468 iscntrl_1.3c        := LINKSRC = ctype.3c
1469 isdigit.3c            := LINKSRC = ctype.3c
1470 isdigit_1.3c       := LINKSRC = ctype.3c
1471 isgraph.3c           := LINKSRC = ctype.3c
1472 isgraph_1.3c       := LINKSRC = ctype.3c
1473 islower.3c           := LINKSRC = ctype.3c
1474 islower_1.3c       := LINKSRC = ctype.3c
1475 isprint.3c           := LINKSRC = ctype.3c
1476 isprint_1.3c      := LINKSRC = ctype.3c
1477 ispunct.3c           := LINKSRC = ctype.3c
1478 ispunct_1.3c       := LINKSRC = ctype.3c
1479 isspace.3c            := LINKSRC = ctype.3c
1480 isspace_1.3c       := LINKSRC = ctype.3c
1481 isupper.3c            := LINKSRC = ctype.3c
1482 isupper_1.3c       := LINKSRC = ctype.3c
1483 isxdigit.3c           := LINKSRC = ctype.3c
1484 isxdigit_1.3c     := LINKSRC = ctype.3c

1486 decimal_to_double.3c := LINKSRC = decimal_to_floating.3c
1487 decimal_to_extended.3c := LINKSRC = decimal_to_floating.3c
1488 decimal_to_quadruple.3c := LINKSRC = decimal_to_floating.3c
1489 decimal_to_single.3c := LINKSRC = decimal_to_floating.3c

1491 ldiv.3c                := LINKSRC = div.3c
1492 lldiv.3c              := LINKSRC = div.3c

1494 dladdr1.3c            := LINKSRC = dladdr.3c

1496 dlopen.3c             := LINKSRC = dlopen.3c

1498 door_unbind.3c        := LINKSRC = door_bind.3c

1500 door_setparam.3c      := LINKSRC = door_getparam.3c

1502 erand48.3c            := LINKSRC = drand48.3c
1503 jrand48.3c            := LINKSRC = drand48.3c
1504 lcong48.3c            := LINKSRC = drand48.3c
1505 lrand48.3c            := LINKSRC = drand48.3c
1506 mrand48.3c            := LINKSRC = drand48.3c
1507 nrand48.3c            := LINKSRC = drand48.3c
1508 seed48.3c             := LINKSRC = drand48.3c
1509 srand48.3c            := LINKSRC = drand48.3c

1511 dup3.3c                := LINKSRC = dup2.3c

1513 fconvert.3c           := LINKSRC = econvert.3c

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1514 gconvert.3c           := LINKSRC = econvert.3c
1515 qconvert.3c           := LINKSRC = econvert.3c
1516 qfconvert.3c          := LINKSRC = econvert.3c
1517 qgconvert.3c          := LINKSRC = econvert.3c
1518 seconvert.3c          := LINKSRC = econvert.3c
1519 sfconvert.3c          := LINKSRC = econvert.3c
1520 sgconvert.3c          := LINKSRC = econvert.3c

1522 fcvt.3c               := LINKSRC = ecvt.3c
1523 gcvt.3c               := LINKSRC = ecvt.3c

1525 _edata.3c             := LINKSRC = end.3c
1526 _end.3c                := LINKSRC = end.3c
1527 _etext.3c              := LINKSRC = end.3c
1528 edata.3c              := LINKSRC = end.3c
1529 etext.3c               := LINKSRC = end.3c

1531 errx.3c                := LINKSRC = err.3c
1532 verr.3c                := LINKSRC = err.3c
1533 verrx.3c               := LINKSRC = err.3c
1534 vwarn.3c              := LINKSRC = err.3c
1535 vwarnx.3c              := LINKSRC = err.3c
1536 warn.3c                := LINKSRC = err.3c
1537 warnx.3c               := LINKSRC = err.3c

1539 euccol.3c              := LINKSRC = euclen.3c
1540 eucscol.3c             := LINKSRC = euclen.3c

1542 _exithandle.3c        := LINKSRC = exit.3c

1544 clearerr.3c            := LINKSRC = ferror.3c
1545 feof.3c                := LINKSRC = ferror.3c
1546 fileno.3c              := LINKSRC = ferror.3c

1548 fsetattr.3c            := LINKSRC = fgetattr.3c
1549 getattr.3c             := LINKSRC = fgetattr.3c
1550 setattr.3c            := LINKSRC = fgetattr.3c

1552getc.3c                := LINKSRC = fgetc.3c
1553getc_unlocked.3c       := LINKSRC = fgetc.3c
1554getchar.3c             := LINKSRC = fgetc.3c
1555getchar_unlocked.3c    := LINKSRC = fgetc.3c
1556getw.3c                 := LINKSRC = fgetc.3c

1558 fgetwc_1.3c         := LINKSRC = fgetwc.3c

1560 double_to_decimal.3c   := LINKSRC = floating_to_decimal.3c
1561 extended_to_decimal.3c := LINKSRC = floating_to_decimal.3c
1562 quadruple_to_decimal.3c := LINKSRC = floating_to_decimal.3c
1563 single_to_decimal.3c   := LINKSRC = floating_to_decimal.3c

1565 ftrylockfile.3c        := LINKSRC = flockfile.3c
1566 funlockfile.3c         := LINKSRC = flockfile.3c

1568 fpgetmask.3c           := LINKSRC = fpgetround.3c
1569 fpgetsticky.3c         := LINKSRC = fpgetround.3c
1570 fpsetmask.3c           := LINKSRC = fpgetround.3c
1571 fpsetround.3c          := LINKSRC = fpgetround.3c
1572 fpsetsticky.3c        := LINKSRC = fpgetround.3c

1574 putc.3c                := LINKSRC = fputc.3c
1575 putc_unlocked.3c       := LINKSRC = fputc.3c
1576 putchar.3c            := LINKSRC = fputc.3c
1577 putchar_unlocked.3c    := LINKSRC = fputc.3c
1578 putw.3c                 := LINKSRC = fputc.3c

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1580 putwc.3c           := LINKSRC = fputwc.3c
1581 putwchar.3c        := LINKSRC = fputwc.3c

1583 fseeko.3c         := LINKSRC = fseek.3c

1585 ftello.3c         := LINKSRC = ftell.3c

1587 nftw.3c           := LINKSRC = ftw.3c

1589 swprintf.3c        := LINKSRC = fwprintf.3c
1590 wprintf.3c         := LINKSRC = fwprintf.3c

1592 swscanf.3c         := LINKSRC = fwscanf.3c
1593 vfwscanf.3c        := LINKSRC = fwscanf.3c
1594 vwscanf.3c         := LINKSRC = fwscanf.3c
1595 wscanf.3c          := LINKSRC = fwscanf.3c
1596 wscanf.3c          := LINKSRC = fwscanf.3c

1598 gethomedgroup.3c  := LINKSRC = getcpuid.3c

1600 endgrent.3c         := LINKSRC = getgrnam.3c
1601 fgetgrent.3c        := LINKSRC = getgrnam.3c
1602 fgetgrent_r.3c     := LINKSRC = getgrnam.3c
1603 getgrent.3c         := LINKSRC = getgrnam.3c
1604 getgrent_r.3c      := LINKSRC = getgrnam.3c
1605 getgrgid.3c        := LINKSRC = getgrnam.3c
1606 getgrgid_r.3c      := LINKSRC = getgrnam.3c
1607 getgrnam_r.3c      := LINKSRC = getgrnam.3c
1608 setgrent.3c         := LINKSRC = getgrnam.3c

1610 sethostname.3c     := LINKSRC = gethostname.3c

1612 gethrvtime.3c     := LINKSRC = gethrtime.3c

1614 getdelim.3c        := LINKSRC = getline.3c

1616 getlogin_r.3c     := LINKSRC = getlogin.3c

1618 getextmntent.3c    := LINKSRC = getmntent.3c
1619 getmntany.3c       := LINKSRC = getmntent.3c
1620 hasmntopt.3c       := LINKSRC = getmntent.3c
1621 putmntent.3c       := LINKSRC = getmntent.3c
1622 resetmnttab.3c    := LINKSRC = getmntent.3c

1624 endnetgrent.3c     := LINKSRC = getnetgrent.3c
1625 getnetgrent_r.3c   := LINKSRC = getnetgrent.3c
1626 innetgr.3c         := LINKSRC = getnetgrent.3c
1627 setnetgrent.3c     := LINKSRC = getnetgrent.3c

1629 getpassphrase.3c  := LINKSRC = getpass.3c

1631 setpriority.3c     := LINKSRC = getpriority.3c

1633 endpwent.3c        := LINKSRC = getpwnam.3c
1634 fgetpwent.3c       := LINKSRC = getpwnam.3c
1635 fgetpwent_r.3c     := LINKSRC = getpwnam.3c
1636 getpwent.3c        := LINKSRC = getpwnam.3c
1637 getpwent_r.3c      := LINKSRC = getpwnam.3c
1638 getpwnam_r.3c      := LINKSRC = getpwnam.3c
1639 getpwuid.3c        := LINKSRC = getpwnam.3c
1640 getpwuid_r.3c      := LINKSRC = getpwnam.3c
1641 setpwent.3c        := LINKSRC = getpwnam.3c

1643 fgets.3c          := LINKSRC = gets.3c

1645 endspent.3c       := LINKSRC = getspnam.3c

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1646 fgetsptent.3c     := LINKSRC = getspnam.3c
1647 fgetsptent_r.3c   := LINKSRC = getspnam.3c
1648 getspent.3c        := LINKSRC = getspnam.3c
1649 getspent_r.3c     := LINKSRC = getspnam.3c
1650 getspnam_r.3c      := LINKSRC = getspnam.3c
1651 setspent.3c        := LINKSRC = getspnam.3c

1653 bind_textdomain_codeset.3c := LINKSRC = gettext.3c
1654 bindtextdomain.3c   := LINKSRC = gettext.3c
1655 dcgettext.3c        := LINKSRC = gettext.3c
1656 dcngettext.3c      := LINKSRC = gettext.3c
1657 dgettext.3c         := LINKSRC = gettext.3c
1658 dngettext.3c        := LINKSRC = gettext.3c
1659 ngettext.3c         := LINKSRC = gettext.3c
1660 textdomain.3c       := LINKSRC = gettext.3c

1662 settimeofday.3c    := LINKSRC = gettimeofday.3c

1664 endusershell.3c   := LINKSRC = getusershell.3c
1665 setusershell.3c   := LINKSRC = getusershell.3c

1667 endutent.3c        := LINKSRC = getutent.3c
1668 getutid.3c         := LINKSRC = getutent.3c
1669 getutline.3c       := LINKSRC = getutent.3c
1670 pututline.3c      := LINKSRC = getutent.3c
1671 setutent.3c        := LINKSRC = getutent.3c
1672 utmpname.3c        := LINKSRC = getutent.3c

1674 endutxent.3c      := LINKSRC = getutxent.3c
1675 getutmp.3c         := LINKSRC = getutxent.3c
1676 getutmpx.3c       := LINKSRC = getutxent.3c
1677 getutxid.3c        := LINKSRC = getutxent.3c
1678 getutxline.3c     := LINKSRC = getutxent.3c
1679 pututxline.3c     := LINKSRC = getutxent.3c
1680 setutxent.3c       := LINKSRC = getutxent.3c
1681 updwtmp.3c         := LINKSRC = getutxent.3c
1682 updwtmpx.3c       := LINKSRC = getutxent.3c
1683 utmpxname.3c      := LINKSRC = getutxent.3c

1685 getvfssany.3c      := LINKSRC = getvfssent.3c
1686 getvfssfile.3c    := LINKSRC = getvfssent.3c
1687 getvfsspec.3c     := LINKSRC = getvfssent.3c

1689 getwc_1.3c       := LINKSRC = getwc.3c

1691 fgetws.3c          := LINKSRC = getws.3c

1693 getzoneidbyname.3c := LINKSRC = getzoneid.3c
1694 getzonenamebyid.3c := LINKSRC = getzoneid.3c

1696 globfree.3c        := LINKSRC = glob.3c

1698 hcreate.3c         := LINKSRC = hsearch.3c
1699 hdestroy.3c        := LINKSRC = hsearch.3c

1701 rindex.3c          := LINKSRC = index.3c

1703 remque.3c         := LINKSRC = insque.3c

1705 finite.3c         := LINKSRC = isnand.3c
1706 fpclass.3c        := LINKSRC = isnand.3c
1707 isnanf.3c          := LINKSRC = isnand.3c
1708 unordered.3c      := LINKSRC = isnand.3c

1710 isenglish.3c       := LINKSRC = iswalph.3c
1711 isideogram.3c     := LINKSRC = iswalph.3c

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1712 isnumber.3c      := LINKSRC = iswalpha.3c
1713 isphonogram.3c   := LINKSRC = iswalpha.3c
1714 isspecial.3c     := LINKSRC = iswalpha.3c
1715 iswalnum.3c      := LINKSRC = iswalpha.3c
1716 iswalnum_1.3c    := LINKSRC = iswalpha.3c
1717 iswalpha_1.3c    := LINKSRC = iswalpha.3c
1718 iswascii.3c      := LINKSRC = iswalpha.3c
1719 iswblank.3c      := LINKSRC = iswalpha.3c
1720 iswblank_1.3c    := LINKSRC = iswalpha.3c
1721 iswcntrl.3c      := LINKSRC = iswalpha.3c
1722 iswcntrl_1.3c    := LINKSRC = iswalpha.3c
1723 iswdigit.3c      := LINKSRC = iswalpha.3c
1724 iswdigit_1.3c    := LINKSRC = iswalpha.3c
1725 iswgraph.3c     := LINKSRC = iswalpha.3c
1726 iswgraph_1.3c   := LINKSRC = iswalpha.3c
1727 iswhexnumber.3c := LINKSRC = iswalpha.3c
1728 iswhexnumber_1.3c := LINKSRC = iswalpha.3c
1729 iswideogram.3c  := LINKSRC = iswalpha.3c
1730 iswideogram_1.3c := LINKSRC = iswalpha.3c
1731 iswlower.3c     := LINKSRC = iswalpha.3c
1732 iswlower_1.3c  := LINKSRC = iswalpha.3c
1733 iswnumber.3c   := LINKSRC = iswalpha.3c
1734 iswnumber_1.3c := LINKSRC = iswalpha.3c
1735 iswphonogram.3c := LINKSRC = iswalpha.3c
1736 iswphonogram_1.3c := LINKSRC = iswalpha.3c
1737 iswprint.3c    := LINKSRC = iswalpha.3c
1738 iswprint_1.3c  := LINKSRC = iswalpha.3c
1739 iswpunct.3c   := LINKSRC = iswalpha.3c
1740 iswpunct_1.3c := LINKSRC = iswalpha.3c
1741 iswspace.3c    := LINKSRC = iswalpha.3c
1742 iswspace_1.3c := LINKSRC = iswalpha.3c
1743 iswspecial.3c  := LINKSRC = iswalpha.3c
1744 iswspecial_1.3c := LINKSRC = iswalpha.3c
1745 iswupper.3c   := LINKSRC = iswalpha.3c
1746 iswupper_1.3c := LINKSRC = iswalpha.3c
1747 iswxdigit.3c  := LINKSRC = iswalpha.3c
1748 iswxdigit_1.3c := LINKSRC = iswalpha.3c

1750 iswctype_1.3c  := LINKSRC = iswctype.3c

1752 ulckpwdf.3c    := LINKSRC = lckpwdf.3c

1754 lfind.3c       := LINKSRC = lsearch.3c

1756 swapcontext.3c := LINKSRC = makecontext.3c

1758 major.3c      := LINKSRC = makedev.3c
1759 minor.3c      := LINKSRC = makedev.3c

1761 alloca.3c     := LINKSRC = malloc.3c
1762 calloc.3c     := LINKSRC = malloc.3c
1763 free.3c       := LINKSRC = malloc.3c
1764 memalign.3c   := LINKSRC = malloc.3c
1765 realloc.3c   := LINKSRC = malloc.3c
1766 valloc.3c    := LINKSRC = malloc.3c

1768 mblen_1.3c    := LINKSRC = mblen.3c

1770 mbrlen_1.3c   := LINKSRC = mbrlen.3c

1772 mbrtowc_1.3c  := LINKSRC = mbrtowc.3c

1774 mbsinit_1.3c := LINKSRC = mbsinit.3c

1776 mbsnrtowcs.3c := LINKSRC = mbsnrtowcs.3c
1777 mbsnrtowcs_1.3c := LINKSRC = mbsnrtowcs.3c

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1778 mbsrtowcs_1.3c := LINKSRC = mbsrtowcs.3c
1779 mbsrtowcs.3c   := LINKSRC = mbsrtowcs.3c
1780 mbsrtowcs_1.3c := LINKSRC = mbsrtowcs.3c

1782 mbtowc_1.3c    := LINKSRC = mbtowc.3c

1784 membar_consumer.3c := LINKSRC = membar_ops.3c
1785 membar_enter.3c   := LINKSRC = membar_ops.3c
1786 membar_exit.3c   := LINKSRC = membar_ops.3c
1787 membar_producer.3c := LINKSRC = membar_ops.3c

1789 memccpy.3c      := LINKSRC = memory.3c
1790 memchr.3c       := LINKSRC = memory.3c
1791 memcmp.3c       := LINKSRC = memory.3c
1792 memcpy.3c       := LINKSRC = memory.3c
1793 memmove.3c      := LINKSRC = memory.3c
1794 memset.3c       := LINKSRC = memory.3c

1796 mkdtemp.3c      := LINKSRC = mkstemp.3c
1797 mkostemp.3c     := LINKSRC = mkstemp.3c
1798 mkostemps.3c    := LINKSRC = mkstemp.3c
1799 mkstemps.3c     := LINKSRC = mkstemp.3c

1801 munlock.3c      := LINKSRC = mlock.3c

1803 munlockall.3c  := LINKSRC = mlockall.3c

1805 mq_reltimedreceive_np.3c := LINKSRC = mq_receive.3c
1806 mq_timedreceive.3c      := LINKSRC = mq_receive.3c

1808 mq_reltimedsend_np.3c    := LINKSRC = mq_send.3c
1809 mq_timedsend.3c        := LINKSRC = mq_send.3c

1811 mutex_consistent.3c     := LINKSRC = mutex_init.3c
1812 mutex_destroy.3c       := LINKSRC = mutex_init.3c
1813 mutex_lock.3c          := LINKSRC = mutex_init.3c
1814 mutex_trylock.3c       := LINKSRC = mutex_init.3c
1815 mutex_unlock.3c        := LINKSRC = mutex_init.3c

1817 dbm_clearerr.3c         := LINKSRC = ndbm.3c
1818 dbm_close.3c           := LINKSRC = ndbm.3c
1819 dbm_delete.3c          := LINKSRC = ndbm.3c
1820 dbm_error.3c           := LINKSRC = ndbm.3c
1821 dbm_fetch.3c           := LINKSRC = ndbm.3c
1822 dbm_firstkey.3c       := LINKSRC = ndbm.3c
1823 dbm_nextkey.3c        := LINKSRC = ndbm.3c
1824 dbm_open.3c           := LINKSRC = ndbm.3c
1825 dbm_store.3c          := LINKSRC = ndbm.3c

1827 duplocale.3c          := LINKSRC = newlocale.3c
1828 freelocale.3c        := LINKSRC = newlocale.3c

1830 nl_langinfo_1.3c      := LINKSRC = nl_langinfo.3c

1832 fdopendir.3c         := LINKSRC = opendir.3c

1834 errno.3c             := LINKSRC = perror.3c

1836 pclose.3c           := LINKSRC = popen.3c

1838 port_dissociate.3c    := LINKSRC = port_associate.3c

1840 port_getn.3c         := LINKSRC = port_get.3c

1842 port_sendn.3c        := LINKSRC = port_send.3c

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1844 posix_spawn.3c          := LINKSRC = posix_spawn.3c
1846 posix_spawn_file_actions_addopen.3c := LINKSRC = posix_spawn_file_actions_ad
1847 posix_spawn_file_actions_init.3c    := LINKSRC = posix_spawn_file_actions_de
1849 posix_spawnattr_init.3c             := LINKSRC = posix_spawnattr_destroy.3c
1851 posix_spawnattr_setflags.3c         := LINKSRC = posix_spawnattr_getflags.3c
1853 posix_spawnattr_setpgroup.3c        := LINKSRC = posix_spawnattr_getpgroup.3
1855 posix_spawnattr_setschedparam.3c    := LINKSRC = posix_spawnattr_getschedpar
1857 posix_spawnattr_setschedpolicy.3c   := LINKSRC = posix_spawnattr_getschedpol
1859 posix_spawnattr_setsigdefault.3c    := LINKSRC = posix_spawnattr_getsigdefau
1861 posix_spawnattr_setsigignore_np.3c   := LINKSRC = posix_spawnattr_getsigignor
1863 posix_spawnattr_setsigmask.3c       := LINKSRC = posix_spawnattr_getsigmask.
1865 asprintf.3c                 := LINKSRC = printf.3c
1866 fprintf.3c                  := LINKSRC = printf.3c
1867 snprintf.3c                 := LINKSRC = printf.3c
1868 sprintf.3c                   := LINKSRC = printf.3c
1870 priv_allocset.3c             := LINKSRC = priv_addset.3c
1871 priv_basicset.3c            := LINKSRC = priv_addset.3c
1872 priv_copysset.3c            := LINKSRC = priv_addset.3c
1873 priv_delsset.3c             := LINKSRC = priv_addset.3c
1874 priv_emptyset.3c           := LINKSRC = priv_addset.3c
1875 priv_fillset.3c            := LINKSRC = priv_addset.3c
1876 priv_freeset.3c            := LINKSRC = priv_addset.3c
1877 priv_intersect.3c          := LINKSRC = priv_addset.3c
1878 priv_inverse.3c            := LINKSRC = priv_addset.3c
1879 priv_isemptyset.3c         := LINKSRC = priv_addset.3c
1880 priv_isequalset.3c         := LINKSRC = priv_addset.3c
1881 priv_isfullset.3c          := LINKSRC = priv_addset.3c
1882 priv_ismember.3c           := LINKSRC = priv_addset.3c
1883 priv_issubset.3c           := LINKSRC = priv_addset.3c
1884 priv_union.3c               := LINKSRC = priv_addset.3c
1886 priv_ineffect.3c           := LINKSRC = priv_set.3c
1888 priv_getbyname.3c          := LINKSRC = priv_str_to_set.3c
1889 priv_getbynum.3c           := LINKSRC = priv_str_to_set.3c
1890 priv_getsetbyname.3c       := LINKSRC = priv_str_to_set.3c
1891 priv_getsetbynum.3c        := LINKSRC = priv_str_to_set.3c
1892 priv_gettext.3c            := LINKSRC = priv_str_to_set.3c
1893 priv_set_to_str.3c         := LINKSRC = priv_str_to_set.3c
1895 psiginfo.3c                := LINKSRC = psignal.3c
1897 pthread_attr_setdetachstate.3c      := LINKSRC = pthread_attr_getdetachstate
1899 pthread_attr_setguardsize.3c        := LINKSRC = pthread_attr_getguardsize.3
1901 pthread_attr_setinheritsched.3c     := LINKSRC = pthread_attr_getinheritsche
1903 pthread_attr_setschedparam.3c       := LINKSRC = pthread_attr_getschedparam.
1905 pthread_attr_setschedpolicy.3c      := LINKSRC = pthread_attr_getschedpolicy
1907 pthread_attr_setscope.3c           := LINKSRC = pthread_attr_getscope.3c
1908 pthread_attr_setstack.3c           := LINKSRC = pthread_attr_getstack.3c

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1910 pthread_attr_setstackaddr.3c       := LINKSRC = pthread_attr_getstackaddr.3
1912 pthread_attr_setstacksize.3c       := LINKSRC = pthread_attr_getstacksize.3
1914 pthread_attr_destroy.3c             := LINKSRC = pthread_attr_init.3c
1916 pthread_barrier_init.3c            := LINKSRC = pthread_barrier_destroy.3c
1918 pthread_barrierattr_init.3c        := LINKSRC = pthread_barrierattr_destroy
1920 pthread_barrierattr_setpshared.3c   := LINKSRC = pthread_barrierattr_getpsha
1922 pthread_cond_destroy.3c            := LINKSRC = pthread_cond_init.3c
1924 pthread_cond_broadcast.3c          := LINKSRC = pthread_cond_signal.3c
1926 pthread_cond_reltimedwait_np.3c    := LINKSRC = pthread_cond_wait.3c
1927 pthread_cond_timedwait.3c         := LINKSRC = pthread_cond_wait.3c
1929 pthread_condattr_setclock.3c       := LINKSRC = pthread_condattr_getclock.3
1931 pthread_condattr_setpshared.3c     := LINKSRC = pthread_condattr_getpshared
1933 pthread_condattr_destroy.3c        := LINKSRC = pthread_condattr_init.3c
1935 pthread_setconcurrency.3c          := LINKSRC = pthread_getconcurrency.3c
1937 pthread_setschedparam.3c           := LINKSRC = pthread_getschedparam.3c
1939 pthread_setspecific.3c             := LINKSRC = pthread_getspecific.3c
1941 pthread_key_create_once_np.3c      := LINKSRC = pthread_key_create.3c
1943 pthread_mutex_setprioceiling.3c    := LINKSRC = pthread_mutex_getprioceilin
1945 pthread_mutex_destroy.3c           := LINKSRC = pthread_mutex_init.3c
1947 pthread_mutex_trylock.3c           := LINKSRC = pthread_mutex_lock.3c
1948 pthread_mutex_unlock.3c           := LINKSRC = pthread_mutex_lock.3c
1950 pthread_mutex_reltimedlock_np.3c   := LINKSRC = pthread_mutex_timedlock.3c
1952 pthread_mutexattr_setprioceiling.3c := LINKSRC = pthread_mutexattr_getprioce
1954 pthread_mutexattr_setprotocol.3c   := LINKSRC = pthread_mutexattr_getprotoc
1956 pthread_mutexattr_setpshared.3c    := LINKSRC = pthread_mutexattr_getpshare
1958 pthread_mutexattr_settype.3c       := LINKSRC = pthread_mutexattr_gettype.3
1960 pthread_mutexattr_destroy.3c        := LINKSRC = pthread_mutexattr_init.3c
1962 pthread_rwlock_destroy.3c           := LINKSRC = pthread_rwlock_init.3c
1964 pthread_rwlock_tryrdlock.3c        := LINKSRC = pthread_rwlock_rdlock.3c
1966 pthread_rwlock_reltimedrdlock_np.3c := LINKSRC = pthread_rwlock_timedrdlock.
1968 pthread_rwlock_reltimedwrlock_np.3c := LINKSRC = pthread_rwlock_timedwrlock.
1970 pthread_rwlock_trywrlock.3c        := LINKSRC = pthread_rwlock_wrlock.3c
1972 pthread_rwlockattr_setpshared.3c    := LINKSRC = pthread_rwlockattr_getpshar
1974 pthread_rwlockattr_destroy.3c       := LINKSRC = pthread_rwlockattr_init.3c

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1976 pthread_spin_init.3c      := LINKSRC = pthread_spin_destroy.3c
1978 pthread_spin_trylock.3c   := LINKSRC = pthread_spin_lock.3c
1980 fputs.3c                   := LINKSRC = puts.3c
1982 rand_r.3c                  := LINKSRC = rand.3c
1983 srand.3c                   := LINKSRC = rand.3c
1985 initstate.3c               := LINKSRC = random.3c
1986 setstate.3c                := LINKSRC = random.3c
1987 srandom.3c                 := LINKSRC = random.3c
1989 rctlblk_get_enforced_value.3c := LINKSRC = rctlblk_set_value.3c
1990 rctlblk_get_firing_time.3c  := LINKSRC = rctlblk_set_value.3c
1991 rctlblk_get_global_action.3c := LINKSRC = rctlblk_set_value.3c
1992 rctlblk_get_global_flags.3c := LINKSRC = rctlblk_set_value.3c
1993 rctlblk_get_local_action.3c := LINKSRC = rctlblk_set_value.3c
1994 rctlblk_get_local_flags.3c  := LINKSRC = rctlblk_set_value.3c
1995 rctlblk_get_privilege.3c    := LINKSRC = rctlblk_set_value.3c
1996 rctlblk_get_recipient_pid.3c := LINKSRC = rctlblk_set_value.3c
1997 rctlblk_get_value.3c       := LINKSRC = rctlblk_set_value.3c
1998 rctlblk_set_local_action.3c := LINKSRC = rctlblk_set_value.3c
1999 rctlblk_set_local_flags.3c  := LINKSRC = rctlblk_set_value.3c
2000 rctlblk_set_privilege.3c    := LINKSRC = rctlblk_set_value.3c
2001 rctlblk_set_recipient_pid.3c := LINKSRC = rctlblk_set_value.3c
2002 rctlblk_size.3c            := LINKSRC = rctlblk_set_value.3c
2004 re_exec.3c                 := LINKSRC = re_comp.3c
2006 readdir_r.3c               := LINKSRC = readdir.3c
2008 regex.3c                   := LINKSRC = regcomp.3c
2010 regerror.3c                 := LINKSRC = regcomp.3c
2011 regexec.3c                  := LINKSRC = regcomp.3c
2012 regfree.3c                  := LINKSRC = regcomp.3c
2014 rw_rdlock.3c               := LINKSRC = rwlock.3c
2015 rw_tryrdlock.3c           := LINKSRC = rwlock.3c
2016 rw_trywrlock.3c           := LINKSRC = rwlock.3c
2017 rw_unlock.3c               := LINKSRC = rwlock.3c
2018 rw_wrlock.3c               := LINKSRC = rwlock.3c
2019 rwlock_destroy.3c          := LINKSRC = rwlock.3c
2020 rwlock_init.3c             := LINKSRC = rwlock.3c
2022 alphasort.3c               := LINKSRC = scandir.3c
2024 fscanf.3c                  := LINKSRC = scanf.3c
2025 sscanf.3c                   := LINKSRC = scanf.3c
2026 vfscanf.3c                 := LINKSRC = scanf.3c
2027 vscanf.3c                   := LINKSRC = scanf.3c
2028 vsscanf.3c                  := LINKSRC = scanf.3c
2030 sched_get_priority_min.3c   := LINKSRC = sched_get_priority_max.3c
2032 schedctl_exit.3c           := LINKSRC = schedctl_init.3c
2033 schedctl_lookup.3c         := LINKSRC = schedctl_init.3c
2034 schedctl_start.3c          := LINKSRC = schedctl_init.3c
2035 schedctl_stop.3c           := LINKSRC = schedctl_init.3c
2037 FD_CLR.3c                   := LINKSRC = select.3c
2038 FD_ISSET.3c                 := LINKSRC = select.3c
2039 FD_SET.3c                    := LINKSRC = select.3c
2040 FD_ZERO.3c                   := LINKSRC = select.3c
2041 pselect.3c                   := LINKSRC = select.3c

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2043 sem_reltimedwait_np.3c      := LINKSRC = sem_timedwait.3c
2045 sem_trywait.3c              := LINKSRC = sem_wait.3c
2047 sema_destroy.3c             := LINKSRC = semaphore.3c
2048 sema_init.3c                := LINKSRC = semaphore.3c
2049 sema_post.3c                 := LINKSRC = semaphore.3c
2050 sema_trywait.3c             := LINKSRC = semaphore.3c
2051 sema_wait.3c                 := LINKSRC = semaphore.3c
2053 setvbuf.3c                   := LINKSRC = setbuf.3c
2055 setlinebuf.3c               := LINKSRC = setbuffer.3c
2057 longjmp.3c                   := LINKSRC = setjmp.3c
2058 siglongjmp.3c                := LINKSRC = setjmp.3c
2059 sigsetjmp.3c                 := LINKSRC = setjmp.3c
2061 sighold.3c                   := LINKSRC = signal.3c
2062 sigignore.3c                 := LINKSRC = signal.3c
2063 sigpause.3c                  := LINKSRC = signal.3c
2064 sigrelse.3c                  := LINKSRC = signal.3c
2065 sigset.3c                    := LINKSRC = signal.3c
2067 sigaddset.3c                 := LINKSRC = sigsetops.3c
2068 sigdelset.3c                 := LINKSRC = sigsetops.3c
2069 sigemptyset.3c               := LINKSRC = sigsetops.3c
2070 sigfillset.3c                 := LINKSRC = sigsetops.3c
2071 sigismember.3c               := LINKSRC = sigsetops.3c
2073 sigtimedwait.3c             := LINKSRC = sigwaitinfo.3c
2075 gsignal.3c                   := LINKSRC = ssignal.3c
2077 stderr.3c                    := LINKSRC = stdio.3c
2078 stdin.3c                      := LINKSRC = stdio.3c
2079 stdout.3c                     := LINKSRC = stdio.3c
2081 sig2str.3c                    := LINKSRC = str2sig.3c
2083 strcoll.1.3c                 := LINKSRC = strcoll.3c
2085 strerror_r.3c                 := LINKSRC = strerror.3c
2087 strfmon.1.3c                 := LINKSRC = strfmon.3c
2089 ascftime.3c                   := LINKSRC = strftime.3c
2090 cftime.3c                     := LINKSRC = strftime.3c
2091 strftime.1.3c                 := LINKSRC = strftime.3c
2093 strcasecmp.3c                 := LINKSRC = string.3c
2094 strcasecmp.1.3c                 := LINKSRC = string.3c
2095 strcat.3c                     := LINKSRC = string.3c
2096 strchr.3c                     := LINKSRC = string.3c
2097 strcmp.3c                     := LINKSRC = string.3c
2098 strcpy.3c                     := LINKSRC = string.3c
2099 strcspn.3c                     := LINKSRC = string.3c
2100 strdup.3c                     := LINKSRC = string.3c
2101 strlcat.3c                     := LINKSRC = string.3c
2102 strlcpy.3c                     := LINKSRC = string.3c
2103 strlen.3c                      := LINKSRC = string.3c
2104 strncasecmp.3c                 := LINKSRC = string.3c
2105 strncasecmp.1.3c                 := LINKSRC = string.3c
2106 strncat.3c                     := LINKSRC = string.3c
2107 strncmp.3c                     := LINKSRC = string.3c

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2108 strncpy.3c      := LINKSRC = string.3c
2109 strlen.3c       := LINKSRC = string.3c
2110 strpbrk.3c       := LINKSRC = string.3c
2111 strrchr.3c       := LINKSRC = string.3c
2112 strsep.3c        := LINKSRC = string.3c
2113 strspn.3c        := LINKSRC = string.3c
2114 strstr.3c        := LINKSRC = string.3c
2115 strtok.3c        := LINKSRC = string.3c
2116 strtok_r.3c     := LINKSRC = string.3c

2118 file_to_decimal.3c := LINKSRC = string_to_decimal.3c
2119 func_to_decimal.3c := LINKSRC = string_to_decimal.3c

2121 strptime.1.3c      := LINKSRC = strptime.3c

2123 atof.3c          := LINKSRC = strtod.3c
2124 strtod.3c         := LINKSRC = strtod.3c
2125 strtold.3c        := LINKSRC = strtod.3c

2127 strtoumax.3c     := LINKSRC = strtoumax.3c

2129 atoi.3c           := LINKSRC = strtol.3c
2130 atol.3c           := LINKSRC = strtol.3c
2131 atoll.3c          := LINKSRC = strtol.3c
2132 lltostr.3c        := LINKSRC = strtol.3c
2133 strtoll.3c        := LINKSRC = strtol.3c
2134 ulltostr.3c       := LINKSRC = strtol.3c

2136 strtoull.3c      := LINKSRC = strtoul.3c

2138 wstostr.3c        := LINKSRC = strtows.3c

2140 strxfrm.1.3c       := LINKSRC = strxfrm.3c

2142 closelog.3c       := LINKSRC = syslog.3c
2143 openlog.3c        := LINKSRC = syslog.3c
2144 setlogmask.3c     := LINKSRC = syslog.3c

2146 thr_setconcurrency.3c := LINKSRC = thr_getconcurrency.3c

2148 thr_setprio.3c    := LINKSRC = thr_getprio.3c

2150 thr_getspecific.3c := LINKSRC = thr_keycreate.3c
2151 thr_keycreate_once.3c := LINKSRC = thr_keycreate.3c
2152 thr_setspecific.3c := LINKSRC = thr_keycreate.3c

2154 thr_continue.3c   := LINKSRC = thr_suspend.3c

2156 timer_getoverrun.3c := LINKSRC = timer_settime.3c
2157 timer_gettime.3c   := LINKSRC = timer_settime.3c

2159 timerclear.3c     := LINKSRC = timeradd.3c
2160 timercmp.3c       := LINKSRC = timeradd.3c
2161 timerisset.3c    := LINKSRC = timeradd.3c
2162 timersub.3c       := LINKSRC = timeradd.3c

2164 tmpnam.3c         := LINKSRC = tmpnam.3c
2165 tmpnam_r.3c       := LINKSRC = tmpnam.3c

2167 tolower.1.3c      := LINKSRC = tolower.3c

2169 toupper.1.3c      := LINKSRC = toupper.3c

2171 towlower.1.3c     := LINKSRC = towlower.3c

2173 toupper.1.3c     := LINKSRC = toupper.3c

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2175 ftruncate.3c     := LINKSRC = truncate.3c

2177 tdelete.3c       := LINKSRC = tsearch.3c
2178 tfind.3c         := LINKSRC = tsearch.3c
2179 twalk.3c         := LINKSRC = tsearch.3c

2181 ttyname_r.3c     := LINKSRC = ttyname.3c

2183 uconv_u16tou8.3c := LINKSRC = uconv_u16tou32.3c
2184 uconv_u32tou16.3c := LINKSRC = uconv_u16tou32.3c
2185 uconv_u32tou8.3c := LINKSRC = uconv_u16tou32.3c
2186 uconv_u8tou16.3c := LINKSRC = uconv_u16tou32.3c
2187 uconv_u8tou32.3c := LINKSRC = uconv_u16tou32.3c

2189 ucred_free.3c    := LINKSRC = ucred_get.3c
2190 ucred_getegid.3c := LINKSRC = ucred_get.3c
2191 ucred_geteuid.3c := LINKSRC = ucred_get.3c
2192 ucred_getgroups.3c := LINKSRC = ucred_get.3c
2193 ucred_getlabel.3c := LINKSRC = ucred_get.3c
2194 ucred_getpflags.3c := LINKSRC = ucred_get.3c
2195 ucred_getpid.3c := LINKSRC = ucred_get.3c
2196 ucred_getprivset.3c := LINKSRC = ucred_get.3c
2197 ucred_getprojid.3c := LINKSRC = ucred_get.3c
2198 ucred_getrgid.3c := LINKSRC = ucred_get.3c
2199 ucred_getruid.3c := LINKSRC = ucred_get.3c
2200 ucred_getsgid.3c := LINKSRC = ucred_get.3c
2201 ucred_getsuid.3c := LINKSRC = ucred_get.3c
2202 ucred_getzoneid.3c := LINKSRC = ucred_get.3c
2203 ucred_size.3c   := LINKSRC = ucred_get.3c

2205 vswprintf.3c     := LINKSRC = vfwprintf.3c
2206 vwprintf.3c     := LINKSRC = vfwprintf.3c

2208 vasprintf.3c     := LINKSRC = vprintf.3c
2209 vfprintf.3c      := LINKSRC = vprintf.3c
2210 vsnprintf.3c     := LINKSRC = vprintf.3c
2211 vsprintf.3c     := LINKSRC = vprintf.3c

2213 wait4.3c        := LINKSRC = wait3.3c

2215 addrtosymstr.3c := LINKSRC = walkcontext.3c
2216 backtrace.3c    := LINKSRC = walkcontext.3c
2217 backtrace_symbols.3c := LINKSRC = walkcontext.3c
2218 backtrace_symbols_fd.3c := LINKSRC = walkcontext.3c
2219 printstack.3c   := LINKSRC = walkcontext.3c

2221 wrtomb.1.3c       := LINKSRC = wrtomb.3c

2223 wscoll.1.3c      := LINKSRC = wscoll.3c
2224 wscoll.3c       := LINKSRC = wscoll.3c

2226 watof.3c        := LINKSRC = wcstod.3c
2227 wcstof.3c       := LINKSRC = wcstod.3c
2228 wcstold.3c      := LINKSRC = wcstod.3c
2229 wstod.3c        := LINKSRC = wcstod.3c

2231 wcstoumax.3c    := LINKSRC = wcstoumax.3c

2233 watoi.3c        := LINKSRC = wcstol.3c
2234 watol.3c        := LINKSRC = wcstol.3c
2235 watoll.3c       := LINKSRC = wcstol.3c
2236 wcstoll.3c      := LINKSRC = wcstol.3c
2237 wstol.3c        := LINKSRC = wcstol.3c

2239 wcstoull.3c     := LINKSRC = wcstoul.3c

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2241 wscat.3c           := LINKSRC = wcstring.3c
2242 wscchr.3c          := LINKSRC = wcstring.3c
2243 wscmp.3c           := LINKSRC = wcstring.3c
2244 wscopy.3c          := LINKSRC = wcstring.3c
2245 wscspn.3c          := LINKSRC = wcstring.3c
2246 wslen.3c           := LINKSRC = wcstring.3c
2247 wscncat.3c         := LINKSRC = wcstring.3c
2248 wscncmp.3c         := LINKSRC = wcstring.3c
2249 wscncpy.3c         := LINKSRC = wcstring.3c
2250 wcpbrk.3c          := LINKSRC = wcstring.3c
2251 wscrchr.3c         := LINKSRC = wcstring.3c
2252 wcsspn.3c          := LINKSRC = wcstring.3c
2253 wstok.3c           := LINKSRC = wcstring.3c
2254 wscwcs.3c          := LINKSRC = wcstring.3c
2255 windex.3c          := LINKSRC = wcstring.3c
2256 wrindex.3c         := LINKSRC = wcstring.3c
2257 wscat.3c           := LINKSRC = wcstring.3c
2258 wscchr.3c          := LINKSRC = wcstring.3c
2259 wscmp.3c           := LINKSRC = wcstring.3c
2260 wscopy.3c          := LINKSRC = wcstring.3c
2261 wscspn.3c          := LINKSRC = wcstring.3c
2262 wslen.3c           := LINKSRC = wcstring.3c
2263 wscncat.3c         := LINKSRC = wcstring.3c
2264 wscncmp.3c         := LINKSRC = wcstring.3c
2265 wscncpy.3c         := LINKSRC = wcstring.3c
2266 wcpbrk.3c          := LINKSRC = wcstring.3c
2267 wscrchr.3c         := LINKSRC = wcstring.3c
2268 wcsspn.3c          := LINKSRC = wcstring.3c
2269 wstok.3c           := LINKSRC = wcstring.3c
2270 wscasecmp.3c       := LINKSRC = wstring.3c
2271 wscol.3c           := LINKSRC = wstring.3c
2272 wsdup.3c           := LINKSRC = wstring.3c
2273 wscasecmp.3c       := LINKSRC = wstring.3c

2275 wswidth_1.3c     := LINKSRC = wswidth.3c

2277 wsxfrm.3c         := LINKSRC = wsxfrm.3c

2279 wctob_1.3c        := LINKSRC = wctob.3c

2281 wctomb_1.3c       := LINKSRC = wctomb.3c

2283 towctrans.3c      := LINKSRC = wctrans.3c
2284 towctrans_1.3c    := LINKSRC = wctrans.3c
2285 wctrans_1.3c      := LINKSRC = wctrans.3c

2287 wctype_1.3c       := LINKSRC = wctype.3c

2289 wcwidth_1.3c     := LINKSRC = wcwidth.3c

2291 wordfree.3c       := LINKSRC = wordexp.3c

2110 wscasecmp.3c      := LINKSRC = wstring.3c
2111 wscol.3c          := LINKSRC = wstring.3c
2112 wsdup.3c          := LINKSRC = wstring.3c
2113 wscasecmp.3c      := LINKSRC = wstring.3c

2293 .KEEP_STATE:

2295 include           $(SRC)/man/Makefile.man

2297 install:           $(ROOTMANFILES) $(ROOTMANLINKS)

```

\*\*\*\*\*

3683 Sun Jun 29 11:51:55 2014

new/usr/src/man/man3c/btowc.3c

Garrett's man page edits.

\*\*\*\*\*

```

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11 .TH BTOWC 3C "Jun 27, 2014"
12 .SH NAME
13 btowc, btowc_l \- single-byte to wide-character conversion
14 .SH SYNOPSIS
15 .LP
16 .nf
17 #include <stdio.h>
18 #include <wchar.h>

20 \fBwint_t\fR \fBbtowc\fR(\fBint\fR \fIc\fR);
21 .fi
22 .LP
23 .nf
24 #include <stdio.h>
25 #include <wchar.h>
26 #include <xlocale.h>

28 \fBwint_t\fR \fBbtowc_l\fR(\fBint\fR \fIc\fR, \fBlocale_t\fR \fIloc\fR);
29 .fi

30 .SH DESCRIPTION
25 .sp
31 .LP
32 The \fBbtowc()\fR and \fBbtowc_l()\fR functions determines whether
33 \fIc\fR constitutes a valid (one-byte) character in the initial shift
34 state.
30 .sp
35 .LP
36 The behavior of \fBbtowc()\fR is affected by the \fBLC_CTYPE\fR category of the
37 current locale. See \fBenviron\fR(5). The function \fBbtowc_l()\fR does
38 not use the current locale, and instead operates on the locale
39 specified by \fIloc\fR.
32 The behavior of \fBbtowc\fR is affected by the \fBLC_CTYPE\fR category of the
33 current locale. See \fBenviron\fR(5). The function \fBbtowc_l\fR does
34 not use the current locale, and instead operates on the locale \fIloc\fR
35 provided to the function, obtained through a call to
36 \fBnewlocale\fR(3C).
40 .SH RETURN VALUES
38 .sp
41 .LP
42 The \fBbtowc()\fR function returns \fBWEOF\fR if \fIc\fR has the value
43 \fBEOF\fR or if \fB(unsigned char)\fR \fIc\fR does not constitute a valid
44 (one-byte) character in the initial shift state. Otherwise, it returns the
45 wide-character representation of that character.
46 .SH ERRORS
45 .sp
47 .LP
48 No errors are defined.
49 .SH ATTRIBUTES
49 .sp

```

```

50 .LP
51 See \fBattributes\fR(5) for descriptions of the following attributes:
52 .sp

54 .sp
52 .TS
53 box;
54 c | c
55 l | l .
56 ATTRIBUTE TYPE ATTRIBUTE VALUE
57 _
58 Interface Stability See below.
61 Interface Stability Standard
59 _
60 MT-Level MT-Safe
63 MT-Level MT-Safe with exceptions
61 .TE

63 .LP
64 The
65 .B btowc()
66 function is Standard. The
67 .B btowc_l()
68 function is Uncommitted.
69 .SH SEE ALSO
70 .sp
71 .LP
72 \fBnewlocale\fR(3C), \fBsetlocale\fR(3C), \fBuselocale\fR(3C), \fBwctob\fR(3C),
73 \fBattributes\fR(5), \fBenviron\fR(5), \fBstandards\fR(5)
71 .SH NOTES
72 .sp
73 .LP
74 The \fBbtowc()\fR function can be used safely in multithreaded applications, as
75 long as \fBsetlocale\fR(3C) is not being called to change the locale.

```

\*\*\*\*\*
9515 Sun Jun 29 11:51:58 2014
new/usr/src/man/man3c/ctype.3c
Garrett's man page edits.
\*\*\*\*\*

```
1 \" te
2 .\" Copyright 2014 Garrett D'Amore <garrett@damore.org>
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10 .\" When distributing Covered Code, include this CDDL HEADER in each file and in
11 .TH CTYPE 3C "Jun 27, 2014"
12 .TH CTYPE 3C "Sep 18, 2013"
13 .SH NAME
14 ctype, isalpha, isalnum, isascii, isblank, iscntrl, isdigit, islower,
15 isprint, isspace, isupper, ispunct, isgraph, isxdigit, isalpha_l,
16 isalnum_l, isblank_l, iscntrl_l, isdigit_l, islower_l, isprint_l,
17 ispace_l, isupper_l, ispunct_l, isgraph_l \- character handling
18 .LP
19 .nf
20 #include <ctype.h>
21
22 \fBint\fR \fBisalpha\fR(\fBint\fR \fIc\fR);
23 .fi
24 .LP
25 .nf
26 \fBint\fR \fBisalnum\fR(\fBint\fR \fIc\fR);
27 .fi
28 .LP
29 .nf
30 \fBint\fR \fBisascii\fR(\fBint\fR \fIc\fR);
31 .fi
32 .LP
33 .nf
34 \fBint\fR \fBisblank\fR(\fBint\fR \fIc\fR);
35 .fi
36 .LP
37 .nf
38 \fBint\fR \fBiscntrl\fR(\fBint\fR \fIc\fR);
39 .fi
40 .LP
41 .nf
42 \fBint\fR \fBisdigit\fR(\fBint\fR \fIc\fR);
43 .fi
44 .LP
45 .nf
46 \fBint\fR \fBisgraph\fR(\fBint\fR \fIc\fR);
47 .fi
48 .LP
49 .nf
50 \fBint\fR \fBislower\fR(\fBint\fR \fIc\fR);
51 .fi
```

```
52 .LP
53 .nf
54 \fBint\fR \fBisprint\fR(\fBint\fR \fIc\fR);
55 .fi
56 .LP
57 .nf
58 \fBint\fR \fBispunct\fR(\fBint\fR \fIc\fR);
59 .fi
60 .LP
61 .nf
62 \fBint\fR \fBisspace\fR(\fBint\fR \fIc\fR);
63 .fi
64 .LP
65 .nf
66 \fBint\fR \fBisupper\fR(\fBint\fR \fIc\fR);
67 .fi
68 .LP
69 .nf
70 \fBint\fR \fBisxdigit\fR(\fBint\fR \fIc\fR);
71 .fi
72 .LP
73 .nf
74 \fBint\fR \fBisalpha_l\fR(\fBint\fR \fIc\fR, \fBlocale_t\fR \fIloc\fR);
75 .fi
76 .LP
77 .nf
78 \fBint\fR \fBisalnum_l\fR(\fBint\fR \fIc\fR, \fBlocale_t\fR \fIloc\fR);
79 .fi
80 .LP
81 .nf
82 \fBint\fR \fBisblank_l\fR(\fBint\fR \fIc\fR, \fBlocale_t\fR \fIloc\fR);
83 .fi
84 .LP
85 .nf
86 \fBint\fR \fBiscntrl_l\fR(\fBint\fR \fIc\fR, \fBlocale_t\fR \fIloc\fR);
87 .fi
88 .LP
89 .nf
90 \fBint\fR \fBisdigit_l\fR(\fBint\fR \fIc\fR, \fBlocale_t\fR \fIloc\fR);
91 .fi
92 .LP
93 .nf
94 \fBint\fR \fBisgraph_l\fR(\fBint\fR \fIc\fR, \fBlocale_t\fR \fIloc\fR);
95 .fi
96 .LP
97 .nf
98 \fBint\fR \fBislower_l\fR(\fBint\fR \fIc\fR, \fBlocale_t\fR \fIloc\fR);
99 .fi
100 .LP
101 .nf
102 \fBint\fR \fBisprint_l\fR(\fBint\fR \fIc\fR, \fBlocale_t\fR \fIloc\fR);
103 .fi
104 .LP
```

```

105 .nf
106 \fBint\fR \fBispunct_l\fR(\fBint\fR \fIc\fR, \fBlocale_t\fR \fIloc\fR);
107 .fi

108 .LP
109 .nf
110 \fBint\fR \fBisspace_l\fR(\fBint\fR \fIc\fR, \fBlocale_t\fR \fIloc\fR);
111 .fi

112 .LP
113 .nf
114 \fBint\fR \fBisupper_l\fR(\fBint\fR \fIc\fR, \fBlocale_t\fR \fIloc\fR);
115 .fi

116 .SH DESCRIPTION
141 .sp
117 .LP
118 These functions classify character-coded integer values. Each is a
119 predicate returning non-zero for true, \fB0\fR for false. The behavior
120 of these macros, except \fBisascii()\fR, is affected by the current
121 locale (see \fBsetlocale\fR(3C) and \fBuselocale\fR(3C)). To modify
122 the behavior, change the \fBLC_TYPE\fR category in \fBsetlocale()\fR, that is,
123 \fBsetlocale(\fR\fBLC_TYPE\fR, \fInewlocale\fR). In the "C" locale,
124 or in a locale where character type information is not defined,
125 characters are classified according to the rules of the \fBUS-ASCII\fR
126 7-bit coded character set.
152 .sp
127 .LP
128 The functions \fBisalnum_l()\fR, \fBisalpha_l()\fR, \fBisblank_l()\fR,
129 \fBisctrl_l()\fR, \fBisdigit_l()\fR, \fBislower_l()\fR,
130 \fBisprint_l()\fR, \fBispunct_l()\fR, \fBisspace_l()\fR,
131 \fBisupper_l()\fR, all behave identically to their counterparts without
132 the '\fB_l\fR' prefix, except that instead of acting on the current
133 locale, that perform the test on the locale specified in the argument
134 \fIloc\fR.
161 .sp
135 .LP
136 The \fBisascii()\fR macro is defined on all integer values. The rest are
137 defined only where the argument is an \fBint\fR, the value of which is
138 representable as an \fBunsigned char\fR, or \fBEOF\fR, which is defined by the
139 <\fBstdio.h\fR> header and represents end-of-file.
140 .sp
141 .ne 2
142 .na
143 \fB\fBisalpha()\fR
144 .ad
145 .RS 13n
146 Tests for any character for which \fBisupper()\fR or \fBislower()\fR is true,
147 or any character that is one of the current locale-defined set of characters
148 for which none of \fBisctrl()\fR, \fBisdigit()\fR, \fBispunct()\fR, or
149 \fBisspace()\fR is true. In "C" locale, \fBisalpha()\fR returns true only for
150 the characters for which \fBisupper()\fR or \fBislower()\fR is true.
151 .RE

153 .sp
154 .ne 2
155 .na
156 \fB\fBisalnum()\fR
157 .ad
158 .RS 13n
159 Tests for any character for which \fBisalpha()\fR or \fBisdigit()\fR is true
160 (letter or digit).
161 .RE

163 .sp
164 .ne 2

```

```

165 .na
166 \fB\fBisascii()\fR
167 .ad
168 .RS 13n
169 Tests for any ASCII character, code between \fB0\fR and \fB0177\fR inclusive.
170 .RE

172 .sp
173 .ne 2
174 .na
175 \fB\fBisblank()\fR
176 .ad
177 .RS 13n
178 Tests whether \fIc\fR is a character of class blank in the current locale. This
179 macro/function is not available to applications conforming to standards prior
180 to SUSv3. See \fBstandards\fR(5)
181 .RE

183 .sp
184 .ne 2
185 .na
186 \fB\fBisctrl()\fR
187 .ad
188 .RS 13n
189 Tests for any "control character" as defined by the character set.
190 .RE

192 .sp
193 .ne 2
194 .na
195 \fB\fBisdigit()\fR
196 .ad
197 .RS 13n
198 Tests for any decimal-digit character.
199 .RE

201 .sp
202 .ne 2
203 .na
204 \fB\fBisgraph()\fR
205 .ad
206 .RS 13n
207 Tests for any character for which \fBisalnum()\fR and \fBispunct()\fR are true,
208 or any character in the current locale-defined "graph" class which is neither a
209 space ("|") nor a character for which \fBisctrl()\fR is true.
210 .RE

212 .sp
213 .ne 2
214 .na
215 \fB\fBislower()\fR
216 .ad
217 .RS 13n
218 Tests for any character that is a lower-case letter or is one of the current
219 locale-defined set of characters for which none of \fBisctrl()\fR,
220 \fBisdigit()\fR, \fBispunct()\fR, \fBisspace()\fR, or \fBisupper()\fR is true.
221 In the "C" locale, \fBislower()\fR returns true only for the characters defined
222 as lower-case \fBASCII\fR characters.
223 .RE

225 .sp
226 .ne 2
227 .na
228 \fB\fBisprint()\fR
229 .ad
230 .RS 13n

```

```

231 Tests for any character for which \fBisctrnl()\fR is false, and
232 \fBisalnum()\fR, \fBisgraph()\fR, \fBispunct()\fR, the space character (" \|" ),
233 and the characters in the current locale-defined "print" class are true.
234 .RE

236 .sp
237 .ne 2
238 .na
239 \fB\fBispunct()\fR\fR
240 .ad
241 .RS 13n
242 Tests for any printing character which is neither a space (" \|" ) nor a
243 character for which \fBisalnum()\fR or \fBisctrnl()\fR is true.
244 .RE

246 .sp
247 .ne 2
248 .na
249 \fB\fBisspace()\fR\fR
250 .ad
251 .RS 13n
252 Tests for any space, tab, carriage-return, newline, vertical-tab or form-feed
253 (standard white-space characters) or for one of the current locale-defined set
254 of characters for which \fBisalnum()\fR is false. In the "C" locale,
255 \fBisspace()\fR returns true only for the standard white-space characters.
256 .RE

258 .sp
259 .ne 2
260 .na
261 \fB\fBisupper()\fR\fR
262 .ad
263 .RS 13n
264 Tests for any character that is an upper-case letter or is one of the current
265 locale-defined set of characters for which none of \fBisctrnl()\fR,
266 \fBisdigit()\fR, \fBispunct()\fR, \fBisspace()\fR, or \fBislower()\fR is true.
267 In the "C" locale, \fBisupper()\fR returns true only for the characters defined
268 as upper-case \fBBASCII\fR characters.
269 .RE

271 .sp
272 .ne 2
273 .na
274 \fB\fBisxdigit()\fR\fR
275 .ad
276 .RS 14n
277 Tests for any hexadecimal-digit character (\fB[0\(\mi9)\fR, \fB[A\(\miF)\fR, or
278 \fB[a\(\mif)\fR or the current locale-defined sets of characters representing
279 the hexadecimal digits \fB10\fR to \fB15\fR inclusive). In the "C" locale, only
280 .sp
281 .in +2
282 .nf
283 0 1 2 3 4 5 6 7 8 9 A B C D E F a b c d e f
284 .fi
285 .in -2

287 are included.
288 .RE

290 .SH RETURN VALUES
318 .sp
291 .LP
292 If the argument to any of the character handling macros is not in the domain of
293 the function, the result is undefined. Otherwise, the macro or function returns
294 non-zero if the classification is \fBTRUE\fR and \fB0\fR if the classification
295 is \fBFALSE\fR.

```

```

324 .SH USAGE
325 .sp
326 .LP
327 These macros or functions can be used safely in multithreaded applications, as
328 long as \fBsetlocale\fR(3C) is not being called to change the locale.
296 .SH ATTRIBUTES
297 .sp
298 .LP
299 See \fBattributes\fR(5) for descriptions of the following attributes:
333 .sp

335 .sp
300 .TS
301 box;
302 c | c
303 l | l .
338 l l
339 l l .
304 ATTRIBUTE TYPE ATTRIBUTE VALUE
305 _
306 CSI Enabled
307 _
308 Interface Stability Standard
309 _
310 MT-Level MT-Safe
343 MT-Level MT-Safe with exceptions
311 .TE

313 .SH SEE ALSO
347 .sp
314 .LP
315 \fBnewlocale\fR(3C), \fBsetlocale\fR(3C), \fBuselocale\fR(3C),
316 \fBstdio\fR(3C), \fBascii\fR(5), \fBenviron\fR(5),
349 \fBsetlocale\fR(3C), \fBstdio\fR(3C), \fBascii\fR(5), \fBenviron\fR(5),
317 \fBstandards\fR(5)

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\*\*\*\*\*

6350 Sun Jun 29 11:52:00 2014

new/usr/src/man/man3c/fgetwc.3c

Garrett's man page edits.

\*\*\*\*\*

```

1  \" te
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11 .TH FGETWC 3C "Jun 24, 2014"
12 .SH FGETWC 3C "Oct 15, 2003"
13 .SH NAME
14 fgetwc, fgetwc_l \- get a wide-character code from a stream
15 .SH SYNOPSIS
16 .LP
17 #include <stdio.h>
18 #include <wchar.h>
19
20 \fBwint_t\fR \fBfgetwc\fR(\fBFILE *\fR\fR\fR\fR\fR);
21 \fBwint_t\fR \fBfgetwc_l\fR(\fBFILE*\fR\fR\fR\fR\fR, \fBlocale_t\fR, \fR\fR);
22 .fi
23 .LP
24 #include <stdio.h>
25 #include <wchar.h>
26 #include <xlocale.h>
27
28 \fBwint_t\fR \fBfgetwc_l\fR(\fBFILE *\fR\fR\fR, \fBlocale_t\fR, \fR\fR)
29 .fi
30
31 .SH DESCRIPTION
32 .sp
33 .LP
34 The \fBfgetwc()\fR and \fBfgetwc_l()\fR functions obtain the next
35 character (if present) from the input stream pointed to by \fR,
36 convert that to the corresponding wide-character code and advance the
37 associated file position indicator for the stream (if defined).
38 Whereas \fBfgetwc()\fR uses the current locale, \fBfgetwc_l()\fR uses the
39 locale specified by \fR.
40 converts that to the corresponding wide-character code and advances the
41 associated file position indicator for the stream (if defined). As
42 opposed to using the current locale as determined by \fBsetlocale\fR(3C)
43 and \fBuselocale\fR(3C), \fBfgetwc_l()\fR uses the locale passed in as
44 \fR.
45
46 .sp
47 .LP
48 If an error occurs, the resulting value of the file position indicator for the
49 stream is indeterminate.
50
51 .sp
52 .LP
53 The \fBfgetwc()\fR and \fBfgetwc_l()\fR functions may mark the \fBst_atime\fR
54 field of the file
55 The \fBfgetwc()\fR and \fBfgetwc_l()\fR functions may mark the \fBst_atime\fR fiel
56 associated with \fR for update. The \fBst_atime\fR field will be
57 marked for update by the first successful execution of \fBfgetwc()\fR,
58 \fBfgetc\fR(3C), \fBfgets\fR(3C), \fBfgetws\fR(3C), \fBfread\fR(3C),

```

```

49 \fBfscanf\fR(3C), \fBgetc\fR(3C), \fBgetchar\fR(3C), \fBgets\fR(3C), or
50 \fBscanf\fR(3C) using \fR that returns data not supplied by a prior
51 call to \fBungetc\fR(3C) or \fBungetwc\fR(3C).
52 .SH RETURN VALUES
53 .sp
54 .LP
55 Upon successful completion both functions return the
56 Upon successful completion both functions returns the
57 wide-character code of the character read from the input stream pointed to by
58 \fR converted to a type \fBwint_t\fR.
59 .sp
60 .LP
61 For standard-conforming (see \fBstandards\fR(5)) applications, if the
62 end-of-file indicator for the stream is set, \fBfgetwc()\fR and
63 \fBfgetwc_l()\fR return \fBEOF\fR whether or not the stream is at
64 \fBfgetwc_l()\fR returns \fBEOF\fR whether or not the stream is at
65 end-of-file.
66 .sp
67 .LP
68 If a read error occurs, the error indicator for the stream is set,
69 \fBfgetwc()\fR and \fBfgetwc_l()\fR returns \fBEOF\fR and sets
70 \fBerrno\fR to indicate the error.
71 .sp
72 .LP
73 If an encoding error occurs, the error indicator for the stream is set,
74 \fBfgetwc()\fR and \fBfgetwc_l()\fR return \fBEOF\fR, and \fBerrno\fR is
75 set to indicate the error.
76 \fBfgetwc_l()\fR and \fBfgetwc_l()\fR returns \fBEOF\fR, and \fBerrno\fR is set to
77 error.
78 .SH ERRORS
79 .sp
80 .LP
81 The \fBfgetwc()\fR and \fBfgetwc_l()\fR functions will fail if data needs to be
82 read and:
83 .TP
84 .B EAGAIN
85 The \fBfgetwc()\fR and \fBfgetwc_l()\fR functions will fail if data needs to be re
86 .sp
87 .ne 2
88 .na
89 \fBfBEAGAIN\fR
90 .ad
91 .RS 14n
92 The \fBBO_NONBLOCK\fR flag is set for the file descriptor underlying
93 \fR and the process would be delayed in the \fBfgetwc()\fR or
94 \fBfgetwc_l()\fR operation.
95 .TP
96 .B EBADF
97 \fBfgetwc_l()\fR operation.
98 .RE
99
100 .sp
101 .ne 2
102 .na
103 \fBfEBADF\fR
104 .ad
105 .RS 14n
106 The file descriptor underlying \fR is not a valid file descriptor open
107 for reading.
108 .TP
109 .B EINTR
110 .RE
111
112 .sp
113 .ne 2
114 .na

```



```

97 \fB\fBEINTR\fR\fR
98 .ad
99 .RS 14n
100 The read operation was terminated due to the receipt of a signal, and no data
101 was transferred.
102 .TP
103 .B EIO
104 .RE

105 .sp
106 .ne 2
107 .na
108 \fB\fBEIO\fR\fR
109 .ad
110 .RS 14n
111 A physical I/O error has occurred, or the process is in a background process
112 group attempting to read from its controlling terminal and either the process
113 is ignoring or blocking the \fBSIGTIN\fR signal or the process group is
114 orphaned.
115 .TP
116 .B EOVERFLOW
117 .RE

118 .sp
119 .ne 2
120 .na
121 \fB\fBEOVERFLOW\fR \fR
122 .ad
123 .RS 14n
124 The file is a regular file and an attempt was made to read at or beyond the
125 offset maximum associated with the corresponding \fIstream\fR.
126 .RE

127 .sp
128 .LP
129 The \fBfgetwc()\fR and \fBfgetwc_l()\fR functions may fail if:
130 .TP
131 .B ENOMEM
132 Insufficient memory is available.
133 .TP
134 .B ENXIO
135 .sp
136 .ne 2
137 .na
138 \fB\fBENOMEM\fR\fR
139 .ad
140 .RS 10n
141 Insufficient storage space is available.
142 .RE

143 .sp
144 .ne 2
145 .na
146 \fB\fBENXIO\fR\fR
147 .ad
148 .RS 10n
149 A request was made of a non-existent device, or the request was outside the
150 capabilities of the device.
151 .TP
152 .B EILSEQ
153 .RE

154 .sp
155 .ne 2
156 .na
157 \fB\fBEILSEQ\fR\fR

```

```

152 .ad
153 .RS 10n
154 The data obtained from the input stream does not form a valid character.
155 .RE

156 .SH USAGE
157 .sp
158 .LP
159 The \fBferror\fR(3C) or \fBfeof\fR(3C) functions must be used to distinguish
160 between an error condition and an end-of-file condition.
161 .SH ATTRIBUTES
162 .sp
163 .LP
164 See \fBattributes\fR(5) for descriptions of the following attributes:
165 .sp

166 .sp
167 .TS
168 .TS
169 box;
170 c | c
171 l | l
172 l | l .
173 ATTRIBUTE TYPE ATTRIBUTE VALUE
174 _
175 CSI Enabled
176 _
177 Interface Stability See below.
178 Interface Stability Standard
179 _
180 MT-Level MT-Safe
181 MT-Level MT-Safe with exceptions
182 .TE

183 .LP
184 The
185 .B fgetwc()
186 function is Standard. The
187 .B fgetwc_l()
188 function is Uncommitted.
189 .SH SEE ALSO
190 .sp
191 .LP
192 \fBfeof\fR(3C), \fBferror\fR(3C), \fBfgetc\fR(3C), \fBfgets\fR(3C),
193 \fBfgetws\fR(3C), \fBfopen\fR(3C), \fBfread\fR(3C), \fBfscanf\fR(3C),
194 \fBgetc\fR(3C), \fBgetchar\fR(3C), \fBgets\fR(3C), \fBscanf\fR(3C),
195 \fBnewlocale\fR(3C), \fBsetlocale\fR(3C), \fBungetc\fR(3C), \fBungetwc\fR(3C),
196 \fBuselocale\fR(3C), \fBattributes\fR(5),
197 \fBsetlocale\fR(3C), \fBungetc\fR(3C), \fBungetwc\fR(3C), \fBattributes\fR(5),
198 \fBstandards\fR(5)

```

\*\*\*\*\*

3801 Sun Jun 29 11:52:00 2014

new/usr/src/man/man3c/getwc.3c

Garrett's man page edits.

\*\*\*\*\*

```

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10 .TH GETWC 3C \"Jul 24, 2002\"
11 .SH NAME
12 getwc, getwc_l \- get wide character from a stream
13 .SH SYNOPSIS
14 .LP
15 .nf
16 #include <stdio.h>
17 #include <wchar.h>

19 \fBwint_t\fR \fBgetwc\fR(\fBFILE\fR \fI*stream\fR);
20 .fi
21 .LP
22 .nf
23 #include <stdio.h>
24 #include <wchar.h>
25 #include <xlocale.h>
26 \fBwint_t\fR \fBgetwc_l\fR(\fBFILE\fR \fI*stream\fR, \fBlocale_t\fR \fIloc\fR);
27 .fi

29 .SH DESCRIPTION
30 .sp
31 .LP
32 The \fBgetwc()\fR function is equivalent to \fBfgetwc\fR(3C), except that if it
33 is implemented as a macro it may evaluate \fIstream\fR more than once, so the
34 argument should never be an expression with side effects.
35 .LP
36 The \fBgetwc_l()\fR function is similar to \fBgetwc()\fR, except instead of
37 acting on the current locale, it uses the locale specified by \fIloc\fR.
38 argument should never be an expression with side effects. The
39 \fBgetwc_l\fR function is similar to \fBfgetwc\fR, except instead of
40 acting on the current locale as specified by \fBsetlocale\fR(3C) and
41 \fBuselocale\fR(3C), it uses the locale specified by \fIloc\fR.
38 .SH RETURN VALUES
33 .sp
39 .LP
40 Refer to \fBfgetwc\fR(3C).
41 .SH ERRORS
37 .sp
42 .LP
43 Refer to \fBfgetwc\fR(3C).
44 .SH USAGE
41 .sp
45 .LP
46 This interface is provided to align with some current implementations and with
47 possible future \fBISO\fR standards.
45 .sp
48 .LP
49 Because they may be implemented as macros, these functions may treat incorrectly
50 a \fIstream\fR argument with side effects. In particular,
51 \fBgetwc\fR(*\fIif\fR|++) may not work as expected. Therefore, use of these
52 functions is not recommended; \fBfgetwc\fR(3C) and \fBgetwc_l\fR(3C)
53 should be used instead.

```

```

47 Because it may be implemented as a macro, \fBgetwc()\fR may treat incorrectly a
48 \fIstream\fR argument with side effects. In particular,
49 \fBgetwc\fR(*\fIif\fR|++) may not work as expected. Therefore, use of this
50 function is not recommended; \fBfgetwc\fR(3C) should be used instead.
54 .SH ATTRIBUTES
52 .sp
55 .LP
56 See \fBattributes\fR(5) for descriptions of the following attributes:
55 .sp

57 .sp
57 .TS
58 box;
59 c | c
60 l | l .
61 ATTRIBUTE TYPE ATTRIBUTE VALUE
62 -
63 Interface Stability See below.
64 Interface Stability Standard
64 -
65 MT-Level MT-Safe
66 .TE

68 .LP
69 The
70 .B getwc()
71 function is Standard. The
72 .B getwc_l()
73 function is Uncommitted.
74 .SH SEE ALSO
70 .sp
75 .LP
76 \fBfgetwc\fR(3C), \fBnewlocale\fR(3C), \fBsetlocale\fR(3C), \fBuselocale\fR(3C),
77 \fBattributes\fR(5), \fBstandards\fR(5)
78 \fBfgetwc\fR(3C), \fBsetlocale\fR(3C), \fBuselocale\fR(3C), \fBattributes\fR(5),

```

\*\*\*\*\*
11588 Sun Jun 29 11:52:01 2014
new/usr/src/man/man3c/iswalph.3c
Garrett's man page edits.
\*\*\*\*\*

```
1 \" te
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11 .TH ISWALPHA 3C "Jun 23, 2014"
12 .TH ISWALPHA 3C "Apr 19, 2004"
13 .SH NAME
14 iswalph, isenglish, isideogram, iswideogram, isnumber, iswnumber,
15 isphonogram, iswphonogram, isspecial, iswspecial, iswalnum, iswascii,
16 iswblank, iswcntrl, iswdigit, iswgraph, iswlower, iswprint, iswpunct,
17 iswspace, iswupper, iswxdigit, iswhexnumber, iswalph_l, iswideogram_l,
18 iswnumber_l, iswphonogram_l, iswspecial_l, iswalnum_l, iswascii_l,
19 iswblank_l, iswcntrl_l, iswdigit_l, iswgraph_l, iswlower_l, iswprint_l,
20 iswpunct_l, iswspace_l, iswupper_l, iswhexnumber_l \- wide-character
21 code classification functions
22 .SH SYNOPSIS
23 .LP
24 .nf
25 #include <wchar.h>
26 #include <wctype.h>
27
28 \fBint\fR \fBiswalph\fR(\fBwint_t\fR \fIwc\fR);
29 .fi
30
31 .LP
32 .nf
33 \fBint\fR \fBisenglish\fR(\fBwint_t\fR \fIwc\fR);
34 .fi
35
36 .LP
37 .nf
38 \fBint\fR \fBisideogram\fR(\fBwint_t\fR \fIwc\fR);
39 .fi
40
41 .LP
42 .nf
43 \fBint\fR \fBisnumber\fR(\fBwint_t\fR \fIwc\fR);
44 .fi
45
46 .LP
47 .nf
48 \fBint\fR \fBisphonogram\fR(\fBwint_t\fR \fIwc\fR);
49 .fi
50
51 .LP
52 .nf
53 \fBint\fR \fBiswalnum\fR(\fBwint_t\fR \fIwc\fR);
54 .fi
```

```
54 .LP
55 .nf
56 \fBint\fR \fBiswascii\fR(\fBwint_t\fR \fIwc\fR);
57 .fi
58
59 .LP
60 .nf
61 \fBint\fR \fBiswblank\fR(\fBwint_t\fR \fIwc\fR);
62 .fi
63
64 .LP
65 .nf
66 \fBint\fR \fBiswcntrl\fR(\fBwint_t\fR \fIwc\fR);
67 .fi
68
69 .LP
70 .nf
71 \fBint\fR \fBiswdigit\fR(\fBwint_t\fR \fIwc\fR);
72 .fi
73
74 .LP
75 .nf
76 \fBint\fR \fBiswlower\fR(\fBwint_t\fR \fIwc\fR);
77 .fi
78
79 .LP
80 .nf
81 \fBint\fR \fBiswprint\fR(\fBwint_t\fR \fIwc\fR);
82 .fi
83
84 .LP
85 .nf
86 \fBint\fR \fBiswpunct\fR(\fBwint_t\fR \fIwc\fR);
87 .fi
88
89 .LP
90 .nf
91 \fBint\fR \fBiswspace\fR(\fBwint_t\fR \fIwc\fR);
92 .fi
93
94 .LP
95 .nf
96 \fBint\fR \fBiswupper\fR(\fBwint_t\fR \fIwc\fR);
97 .fi
98
99 .LP
100 .nf
101 \fBint\fR \fBiswhexnumber\fR(\fBwint_t\fR \fIwc\fR);
102 .fi
103
104 .LP
105 .nf
106 \fBint\fR \fBiswideogram\fR(\fBwint_t\fR \fIwc\fR);
107 .fi
```

```

108 \fBint\fR \fBiswnumber\fR(\fBwint_t\fR \fIwc\fR);
109 .fi

110 .LP
111 .nf
112 \fBint\fR \fBiswphonogram\fR(\fBwint_t\fR \fIwc\fR);
113 .fi

114 .LP
115 .nf
116 \fBint\fR \fBiswspecial\fR(\fBwint_t\fR \fIwc\fR);
117 .fi

135 XXX

118 .LP
119 .nf
120 \fBint\fR \fBiswalpha_l\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
121 \fBint\fR \fBiswalpha\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
121 .fi

122 .LP
123 .nf
124 \fBint\fR \fBiswideogram_l\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
125 \fBint\fR \fBiswideogram\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
125 .fi

126 .LP
127 .nf
128 \fBint\fR \fBiswnumber_l\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
129 \fBint\fR \fBiswnumber\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
129 .fi

130 .LP
131 .nf
132 \fBint\fR \fBiswphonogram_l\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
133 \fBint\fR \fBiswphonogram\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
133 .fi

134 .LP
135 .nf
136 \fBint\fR \fBiswspecial_l\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
137 \fBint\fR \fBiswspecial\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
137 .fi

138 .LP
139 .nf
140 \fBint\fR \fBiswalnum_l\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
141 \fBint\fR \fBiswalnum\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
141 .fi

142 .LP
143 .nf
144 \fBint\fR \fBiswascii_l\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
145 \fBint\fR \fBiswascii\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
145 .fi

146 .LP
147 .nf
148 \fBint\fR \fBiswblank_l\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
149 \fBint\fR \fBiswblank\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
149 .fi

150 .LP
151 .nf
152 \fBint\fR \fBiswcntrl_l\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);

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179 \fBint\fR \fBiswcntrl\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
153 .fi

154 .LP
155 .nf
156 \fBint\fR \fBiswdigit_l\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
157 \fBint\fR \fBiswdigit\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
157 .fi

158 .LP
159 .nf
160 \fBint\fR \fBiswgraph_l\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
161 \fBint\fR \fBiswgraph\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
161 .fi

162 .LP
163 .nf
164 \fBint\fR \fBiswlower_l\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
165 \fBint\fR \fBiswlower\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
165 .fi

166 .LP
167 .nf
168 \fBint\fR \fBiswprint_l\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
169 \fBint\fR \fBiswprint\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
169 .fi

170 .LP
171 .nf
172 \fBint\fR \fBiswpunct_l\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
173 \fBint\fR \fBiswpunct\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
173 .fi

174 .LP
175 .nf
176 \fBint\fR \fBiswspace_l\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
177 \fBint\fR \fBiswspace\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
177 .fi

178 .LP
179 .nf
180 \fBint\fR \fBiswupper\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
181 .fi

182 .LP
183 .nf
184 \fBint\fR \fBiswxdigit\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
185 .fi

222 #include <xlocale.h>

186 .LP
187 .nf
188 #include <xlocale.h>
226 \fBint\fR \fBiswhexnumber\fR(\fBwint_t\fR \fIwc\fR);
227 .fi

229 .LP
230 .nf
190 \fBint\fR \fBiswhexnumber\fR(\fBwint_t\fR \fIwc\fR, \fBlocale_t\fR \fIloc\fR);
191 .fi

193 .SH DESCRIPTION
235 .sp
194 .LP
195 These functions test whether \fIwc\fR is a wide-character code representing a

```

196 character of a particular class defined in the `\fBLC_TYPE` category of the  
 197 **current locale or the locale specified by `\fIloc`**.  
 239 *current locale as determined by `\fBsetlocale(3C)` and*  
 240 *`\fBuselocale(3C)`.*  
 241 .sp  
 198 .LP  
 199 The functions `\fBiswalpha_l()`, `\fBiswideogram_l()`, `\fBiswnumber_l()`,  
 200 `\fBiswphonogram_l()`, `\fBiswspecial_l()`, `\fBiswalnum_l()`,  
 201 `\fBiswascii_l()`, `\fBiswblank_l()`, `\fBiswcntrl_l()`, `\fBiswdigit_l()`,  
 202 `\fBiswgraph_l()`, `\fBiswlower_l()`, `\fBiswprint_l()`, `\fBiswpunct_l()`,  
 203 `\fBiswspace_l()`, `\fBiswupper_l()`, all behave identically to their  
 204 counterparts without the `'\fB_l'` suffix, but instead of operating on the  
 205 current locale, they operate on the locale specified by `\fIloc`.  
 250 .sp  
 206 .LP  
 207 The functions, `\fBiswideogram()`, `\fBiswnumber()`, `\fBiswphonogram()`,  
 208 `\fBiswspecial()`, and `\fBiswhexnumber()`, are respectively identical to  
 209 `\fBisideogram()`, `\fBisnumber()`, `\fBisphonogram()`, `\fBisspecial()`,  
 210 `\fBiswxdigit()` respectively. They are provided for compatability purposes.  
 256 .sp  
 211 .LP  
 212 In all cases, `\fIwc` is a `\fBwint_t`, the value of which must be a  
 213 wide-character code corresponding to a valid character in the current locale or  
 214 must equal the value of the macro `\fBWEOF`. If the argument has any other  
 215 values, the behavior is undefined.  
 216 .sp  
 217 .ne 2  
 218 .na  
 219 `\fB\fBiswalpha(\fR\fIwc\FB)\fR`  
 220 .ad  
 221 .RS 19n  
 222 Tests whether `\fIwc` is a wide-character code representing a character of  
 223 class "alpha" in the program's current locale.  
 224 .RE  
 226 .sp  
 227 .ne 2  
 228 .na  
 229 `\fB\fBisenglish(\fR\fIwc\FB)\fR`  
 230 .ad  
 231 .RS 19n  
 232 Tests whether `\fIwc` is a wide-character code representing an English  
 233 language character, excluding `\fBASCII` characters.  
 234 .RE  
 236 .sp  
 237 .ne 2  
 238 .na  
 239 `\fB\fBisideogram(\fR\fIwc\FB)\fR`  
 240 .ad  
 241 .RS 19n  
 242 Tests whether `\fIwc` is a wide-character code representing an ideographic  
 243 language character, excluding `\fBASCII` characters.  
 244 .RE  
 246 .sp  
 247 .ne 2  
 248 .na  
 249 `\fB\fBisnumber(\fR\fIwc\FB)\fR`  
 250 .ad  
 251 .RS 19n  
 252 Tests whether `\fIwc` is a wide-character code representing digit [0\mi9],  
 253 excluding `\fBASCII` characters.  
 254 .RE  
 256 .sp

257 .ne 2  
 258 .na  
 259 `\fB\fBisphonogram(\fR\fIwc\FB)\fR`  
 260 .ad  
 261 .RS 19n  
 262 Tests whether `\fIwc` is a wide-character code representing a phonetic  
 263 language character, excluding `\fBASCII` characters.  
 264 .RE  
 266 .sp  
 267 .ne 2  
 268 .na  
 269 `\fB\fBisspecial(\fR\fIwc\FB)\fR`  
 270 .ad  
 271 .RS 19n  
 272 Tests whether `\fIwc` is a wide-character code representing a special language  
 273 character, excluding `\fBASCII` characters.  
 274 .RE  
 276 .sp  
 277 .ne 2  
 278 .na  
 279 `\fB\fBiswalnum(\fR\fIwc\FB)\fR`  
 280 .ad  
 281 .RS 19n  
 282 Tests whether `\fIwc` is a wide-character code representing a character of  
 283 class "alpha" or "digit" in the program's current locale.  
 284 .RE  
 286 .sp  
 287 .ne 2  
 288 .na  
 289 `\fB\fBiswascii(\fR\fIwc\FB)\fR`  
 290 .ad  
 291 .RS 19n  
 292 Tests whether `\fIwc` is a wide-character code representing an `\fBASCII`  
 293 character.  
 294 .RE  
 296 .sp  
 297 .ne 2  
 298 .na  
 299 `\fB\fBiswblank(\fR\fIwc\FB)\fR`  
 300 .ad  
 301 .RS 19n  
 302 Tests whether `\fIwc` is a wide-character code representing a character of  
 303 class "blank" in the program's current locale. This function is not available  
 304 to applications conforming to standards prior to SUSv3. See `\fBstandards(5)`.  
 305 .RE  
 307 .sp  
 308 .ne 2  
 309 .na  
 310 `\fB\fBiswlower(\fR\fIwc\FB)\fR`  
 311 .ad  
 312 .RS 19n  
 313 Tests whether `\fIwc` is a wide-character code representing a character of  
 314 class "lower" in the program's current locale.  
 315 .RE  
 317 .sp  
 318 .ne 2  
 319 .na  
 320 `\fB\fBiswcntrl(\fR\fIwc\FB)\fR`  
 321 .ad  
 322 .RS 19n

```

323 Tests whether \fIwc\fR is a wide-character code representing a character of
324 class "cntrl" in the program's current locale.
325 .RE

327 .sp
328 .ne 2
329 .na
330 \fB\fBiswdigit(\fR\fIwc\fR\fB)\fR\fR
331 .ad
332 .RS 19n
333 Tests whether \fIwc\fR is a wide-character code representing a character of
334 class "digit" in the program's current locale.
335 .RE

337 .sp
338 .ne 2
339 .na
340 \fB\fBiswgraph(\fR\fIwc\fR\fB)\fR\fR
341 .ad
342 .RS 19n
343 Tests whether \fIwc\fR is a wide-character code representing a character of
344 class "graph" in the program's current locale.
345 .RE

347 .sp
348 .ne 2
349 .na
350 \fB\fBiswprint(\fR\fIwc\fR\fB)\fR\fR
351 .ad
352 .RS 19n
353 Tests whether \fIwc\fR is a wide-character code representing a character of
354 class "print" in the program's current locale.
355 .RE

357 .sp
358 .ne 2
359 .na
360 \fB\fBiswpunct(\fR\fIwc\fR\fB)\fR\fR
361 .ad
362 .RS 19n
363 Tests whether \fIwc\fR is a wide-character code representing a character of
364 class "punct" in the program's current locale.
365 .RE

367 .sp
368 .ne 2
369 .na
370 \fB\fBiswspace(\fR\fIwc\fR\fB)\fR\fR
371 .ad
372 .RS 19n
373 Tests whether \fIwc\fR is a wide-character code representing a character of
374 class "space" in the program's current locale.
375 .RE

377 .sp
378 .ne 2
379 .na
380 \fB\fBiswupper(\fR\fIwc\fR\fB)\fR\fR
381 .ad
382 .RS 19n
383 Tests whether \fIwc\fR is a wide-character code representing a character of
384 class "upper" in the program's current locale.
385 .RE

387 .sp
388 .ne 2

```

```

389 .na
390 \fB\fBiswxdigit(\fR\fIwc\fR\fB)\fR\fR
391 .ad
392 .RS 19n
393 Tests whether \fIwc\fR is a wide-character code representing a character of
394 class "xdigit" in the program's current locale.
395 .RE

397 .SH ATTRIBUTES
398 .sp
399 .LP
400 See \fBattributes\fR(5) for descriptions of the following attributes:
401 .sp
402 box;
403 c | c
404 l | l
405 ATTRIBUTE TYPE ATTRIBUTE VALUE
406 _
407 CSI Enabled
408 _
409 Interface Stability See below.
410 _
411 MT-Level MT-Safe
412 MT-Level MT-Safe with exceptions
413 .TE

415 The \fBiswalpha()\fR, \fBiswalnum()\fR, \fBiswblank()\fR, \fBiswcntrl()\fR,
416 \fBiswdigit()\fR, \fBiswgraph()\fR, \fBiswlower()\fR, \fBiswprint()\fR,
417 \fBiswpunct()\fR, \fBiswspace()\fR, \fBiswupper()\fR, and \fBiswxdigit()\fR
418 functions are Standard.
419 .LP
420 The \fBiswalpha_l()\fR, \fBiswalnum_l()\fR, \fBiswblank_l()\fR, \fBiswcntrl_l()\fR,
421 \fBiswdigit_l()\fR, \fBiswgraph_l()\fR, \fBiswlower_l()\fR, \fBiswprint_l()\fR,
422 \fBiswpunct_l()\fR, \fBiswspace_l()\fR, and \fBiswupper_l()\fR
423 functions are Standard.
424 .SH SEE ALSO
425 .LP
426 \fBlocaledef\fR(1), \fBnewlocale\fR(3C),
427 \fBsetlocale\fR(3C), \fBstdio\fR(3C), \fBuselocale\fR(3C),
428 \fBlocaledef\fR(1), \fBsetlocale\fR(3C), \fBstdio\fR(3C), \fBuselocale\fR(3C),
429 \fBascii\fR(5), \fBattributes\fR(5), \fBstandards\fR(5)

```

```

*****
4951 Sun Jun 29 11:52:03 2014
new/usr/src/man/man3c/iswctype.3c
Garrett's man page edits.
*****
1  \" te
2  .\" Copyright 2014 Garrett D'Amore <garrett@damore.org>
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11 .TH ISWCTYPE 3C \"Jul 26, 2014\"
12 .TH ISWCTYPE 3C \"Jul 24, 2002\"
13 .SH NAME
14 iswctype \- test character for specified class
15 .LP
16 .nf
17 #include <wchar.h>
18
19 \fBint\fR \fBiswctype\fR(\fBwint_t\fR \fIwc\fR, \fBwctype_t\fR \fIcharclass\fR);
20 .fi
21 .LP
22 .nf
23 \fBint\fR \fBiswctype\fR(\fBwint_t\fR \fIwc\fR, \fBwctype_t\fR \fIcharclass\fR,
24 .fi
25
26 .SH DESCRIPTION
27 .sp
28 .LP
29 The
30 .B iswctype()
31 and
32 .B iswctype_l()
33 functions determine whether the wide-character code
34 .I wc
35 is a member of the character class
36 .IR charclass ,
37 returning
38 .B TRUE
39 or
40 .BR FALSE .
41 These functions are defined on
42 .B WEOF
43 and wide-character codes corresponding to the valid character encodings in the
44 current locale (or
45 .I loc
46 for
47 .BR iswctype_l() .)
48 If the
49 .I wc
50 argument is not in the domain of the function,
51 the result is undefined. If the value of
52 .I charclass
53 is invalid (that is,
54 not obtained by a call to
55 .B wctype (3C)
56 or obtained from a different locale), the result is indeterminate.
57 .LP
58 Whereas
59 .B iswctype()
60 operates in the current locale,

```

```

60 .B iswctype_l()
61 operates in the locale specified with
62 .IR loc .
63 The \fBiswctype()\fR function determines whether the wide-character code
64 \fIwc\fR has the character class \fIcharclass\fR, returning \fBTRUE\fR or
65 \fBFALSE\fR. The \fBiswctype()\fR function is defined on \fBWEOF\fR and
66 wide-character codes corresponding to the valid character encodings in the
67 current locale. If the \fIwc\fR argument is not in the domain of the function,
68 the result is undefined. If the value of \fIcharclass\fR is invalid (that is,
69 not obtained by a call to \fBwctype\fR(3C) or \fIcharclass\fR is invalidated
70 by a subsequent call to \fBsetlocale\fR(3C) that has affected category
71 \fBLC_CTYPE\fR), the result is indeterminate.
72 .SH RETURN VALUES
73 .sp
74 .LP
75 These functions return
76 .B 0
77 for
78 .B FALSE
79 and non-zero for
80 .BR TRUE .
81 The \fBiswctype()\fR function returns \fB0\fR for \fBFALSE\fR and non-zero for
82 \fBTRUE\fR.
83 .SH USAGE
84 .sp
85 .LP
86 There are twelve strings that are reserved for the standard character classes:
87 .sp
88 .TS
89 .box;
90 l | l | l
91 l | l | l .
92 "alnum" "alpha" "blank"
93 _
94 "cntrl" "digit" "graph"
95 _
96 "lower" "print" "punct"
97 _
98 "space" "upper" "xdigit"
99 .TE
100
101 .sp
102 .LP
103 In the table below, the functions in the left column are equivalent to the
104 functions in the right column.
105 .sp
106 .sp
107 .TS
108 .box;
109 l | l .
110 \fBiswalnum\fR(\fIwc\fR) \fBiswctype\fR(\fIwc\fR, \fBwctype\fR("alnum"))
111 \fBiswalpha\fR(\fIwc\fR) \fBiswctype\fR(\fIwc\fR, \fBwctype\fR("alpha"))
112 \fBiswcntrl\fR(\fIwc\fR) \fBiswctype\fR(\fIwc\fR, \fBwctype\fR("cntrl"))
113 \fBiswdigit\fR(\fIwc\fR) \fBiswctype\fR(\fIwc\fR, \fBwctype\fR("digit"))
114 \fBiswgraph\fR(\fIwc\fR) \fBiswctype\fR(\fIwc\fR, \fBwctype\fR("graph"))
115 \fBiswlower\fR(\fIwc\fR) \fBiswctype\fR(\fIwc\fR, \fBwctype\fR("lower"))
116 \fBiswprint\fR(\fIwc\fR) \fBiswctype\fR(\fIwc\fR, \fBwctype\fR("print"))
117 \fBiswpunct\fR(\fIwc\fR) \fBiswctype\fR(\fIwc\fR, \fBwctype\fR("punct"))
118 \fBiswspace\fR(\fIwc\fR) \fBiswctype\fR(\fIwc\fR, \fBwctype\fR("space"))
119 \fBiswupper\fR(\fIwc\fR) \fBiswctype\fR(\fIwc\fR, \fBwctype\fR("upper"))
120 \fBiswxdigit\fR(\fIwc\fR) \fBiswctype\fR(\fIwc\fR, \fBwctype\fR("xdigit"))
121 l l
122 l l .

```

```

67 \fBiswalnum(\fR\fIwc\fR\FB)\fR iswctype(\fIwc,\fR\FB wctype(\fR"alnum"\fB))\fR
68 iswalpha(\fIwc\fR\FB)\fR iswctype(\fIwc,\fR\FB wctype(\fR"alpha"\fB))\fR
69 iswcntrl(\fIwc\fR\FB)\fR iswctype(\fIwc,\fR\FB wctype(\fR"cntrl"\fB))\fR
70 iswdigit(\fI wc\fR\FB)\fR iswctype(\fIwc,\fR\FB wctype(\fR"digit"\fB))\fR
71 iswgraph(\fIwc\fR\FB)\fR iswctype(\fIwc,\fR\FB wctype(\fR"graph"\fB))\fR
72 iswlower(\fIwc\fR\FB)\fR iswctype(\fIwc,\fR\FB wctype(\fR"lower"\fB))\fR
73 iswprint(\fIwc\fR\FB)\fR iswctype(\fIwc,\fR\FB wctype(\fR"print"\fB))\fR
74 iswpunct(\fIwc\fR\FB)\fR iswctype(\fI wc,\fR\FB wctype(\fR"punct"\fB))\fR
75 iswspace(\fIwc\fR\FB)\fR iswctype(\fIwc,\fR\FB wctype(\fR"space"\fB))\fR
76 iswupper(\fIwc\fR\FB)\fR iswctype(\fIwc,\fR\FB wctype(\fR"upper"\fB))\fR
77 iswxdigit(\fIwc\fR\FB)\fR iswctype(\fIwc,\fR\FB wctype(\fR"xdigit"\fB))\fR
103 .TE

80 .sp
105 .LP
106 The call
83 .sp
107 .LP
108 \fBiswctype\fR(\fIwc\fR, \fBwctype\fR("blank"))
85 \fBiswctype(\fR\fIwc,\fR\FB wctype(\fR"blank"\fB))\fR
86 .sp
109 .LP
110 does not have an equivalent \fBisw*(\|\|)\fR function.
111 .SH ATTRIBUTES
90 .sp
112 .LP
113 See
114 .BR attributes (5)
115 for descriptions of the following attributes:
92 See \fBattributes\fR(5) for descriptions of the following attributes:
93 .sp

95 .sp
116 .TS
117 box;
118 c | c
119 l | l .
120 ATTRIBUTE TYPE ATTRIBUTE VALUE
121 -
122 CSI Enabled
123 -
124 Interface Stability Standard
125 -
126 MT-Level MT-Safe
106 MT-Level MT-Safe with exceptions
127 .TE

129 .SH SEE ALSO
110 .sp
130 .LP
131 .BR iswalpha (3C),
132 .BR newlocale (3C),
133 .BR setlocale (3C),
134 .BR uselocale (3C),
135 .BR wctype (3C),
136 .BR attributes (5),
137 .BR standards (5)
112 \fBiswalpha\fR(3C), \fBsetlocale\fR(3C), \fBwctype\fR(3C), \fBattributes\fR(5),
113 \fBenviron\fR(5), \fBstandards\fR(5)

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4360 Sun Jun 29 11:52:05 2014

new/usr/src/man/man3c/mblen.3c

Garrett's man page edits.

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```

1  \" te
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11 .TH MBLLEN 3C "Jun 24, 2014"
12 .TH MBLLEN 3C "Jul 24, 2002"
13 .SH NAME
14 mblen, mblen_l \- get number of bytes in a character
15 .SH SYNOPSIS
16 .LP
17 #include <stdlib.h>
18
19 \fBint\fR \fBmblen\fR(\fBconst char *\fR\fIs\fR, \fBsize_t\fR \fIn\fR);
20 .fi
21 .LP
22 .nf
23 #include <stdlib.h>
24 #include <xlocale.h>
25
26 \fBint\fR \fBmblen_l\fR(\fBconst char *\fR\fIs\fR, \fBsize_t\fR \fIn\fR, \fBlocale_t\fR \fBloc\fR);
27 .fi
28
29 .SH DESCRIPTION
30 .sp
31 .LP
32 If \fIs\fR is not a null pointer, \fBmblen()\fR and \fBmblen_l()\fR
33 determine the number of bytes constituting the character pointed to by
34 \fIs\fR. The call
35 .IP
36 \fBmblen(\fIs\fR, \fIn\fR)\fR;
37 determines the number of bytes constituting the character pointed to by
38 \fIs\fR. It is equivalent to:
39 .sp
40 .LP
41 is equivalent to:
42 .IP
43 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
44 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
45 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
46 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
47 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
48 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
49 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
50 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
51 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
52 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
53 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
54 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
55 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
56 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
57 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
58 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
59 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
60 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
61 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
62 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
63 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
64 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
65 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
66 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
67 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
68 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
69 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
70 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
71 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
72 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
73 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
74 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
75 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
76 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
77 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
78 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
79 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
80 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
81 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
82 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
83 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
84 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
85 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
86 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
87 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
88 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
89 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
90 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
91 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
92 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
93 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
94 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
95 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
96 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
97 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
98 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);
99 \fBmblen_l(\fIs\fR, \fIn\fR, \fLoc\fR);

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```

50 If \fIs\fR is a null pointer, \fBmblen()\fR and \fBmblen_l()\fR returns \fB0\fR.
51 a null pointer, \fBmblen()\fR and \fBmblen_l()\fR returns \fB0\fR (if \fIs\fR po
52 byte), the number of bytes that constitute the character (if the next \fIn\fR
53 or fewer bytes form a valid character), or \fB(mil)\fR (if they do not form a
54 valid character) and may set \fBerrno\fR to indicate the error. In no case will
55 the value returned be greater than \fIn\fR or the value of the \fBMB_CUR_MAX\fR
56 macro.
57 .SH ERRORS
58 .sp
59 .LP
60 The \fBmblen()\fR and \fBmblen_l()\fR functions may fail if:
61 .sp
62 .ne 2
63 .na
64 \fBEBEILSEQ\fR
65 .ad
66 .RS 10n
67 Invalid character sequence is detected.
68 .RE
69
70 .SH USAGE
71 .sp
72 .LP
73 The \fBmblen()\fR function can be used safely in multithreaded applications, as
74 long as \fBsetlocale(3C)\fR is not being called to change the locale or if a
75 per-thread locale has been set for the calling thread with the
76 \fBuselocale(3C)\fR function. The \fBmblen_l()\fR function is similarly safe, as
77 long as the \fBfreelocale(3C)\fR function is not called on the locale passed
78 into the function.
79 .SH ATTRIBUTES
80 .sp
81 .LP
82 See \fBattributes(5)\fR for descriptions of the following attributes:
83 .sp
84 .sp
85 .TS
86 box;
87 c | c
88 l | l .
89 ATTRIBUTE TYPE ATTRIBUTE VALUE
90 _
91 CSI Enabled
92 _
93 Interface Stability See below.
94 Interface Stability Standard
95 _
96 MT-Level MT-Safe
97 MT-Level MT-Safe with exceptions
98 .TE
99
100 .LP
101 The
102 .B mblen()
103 function is Standard. The
104 .B mblen_l()
105 function is Uncommitted.
106 .SH SEE ALSO
107 .sp
108 .LP
109 \fBmblen(3C)\fR, \fBmblen_l(3C)\fR, \fBnewlocale(3C)\fR, \fBsetlocale(3C)\fR,
110 \fBfreelocale(3C)\fR, \fBmblen(3C)\fR, \fBmblen_l(3C)\fR, \fBuselocale(3C)\fR, \fBsetlocale(3C)\fR,
111 \fBuselocale(3C)\fR, \fBwctomb(3C)\fR, \fBwctomb(3C)\fR, \fBuselocale(3C)\fR \fBattributes(5)\fR,
112 \fBstandards(5)\fR

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6081 Sun Jun 29 11:52:06 2014

new/usr/src/man/man3c/mbrlen.3c

Garrett's man page edits.

\*\*\*\*\*

```

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11 .TH MBRELEN 3C "Jun 21, 2014"
12 .SH MBRELEN 3C "Nov 1, 2003"
13 .SH NAME
14 mbrlen, mbrlen_l \- get number of bytes in a character (restartable)
15 .SH SYNOPSIS
16 .LP
17 #include <wchar.h>
18
19 \fBsize_t\fR \fBmbrlen\fR(\fBconst char *restrict\fR \fR, \fBsize_t\fR \fR, \fR)
19 \fBsize_t\fR \fBmbrlen_l\fR(\fBconst char *restrict\fR \fR, \fBsize_t\fR \fR, \fR
20 .fi
21 .LP
22 .nf
23 #include <wchar.h>
24 #include <xlocale.h>
25
26 \fBsize_t\fR \fBmbrlen_l\fR(\fBconst char *restrict\fR \fR, \fBsize_t\fR \fR, \fR
27 \fBlocale_t\fR \fR);
28 .fi
29 .SH DESCRIPTION
30 .sp
31 .LP
32 If \fR is not a null pointer, \fBmbrlen()\fR and \fBmbrlen_l()\fR determine
33 the number of bytes constituting the character pointed to by \fR.
34 The call
35 If \fR is not a null pointer, \fBmbrlen()\fR and \fBmbrlen_l()\fR determine
36 bytes constituting the character pointed to by \fR. It is equivalent to:
37 .sp
38 .in +2
39 .nf
40 .IP
41 \fBmbrlen\fR(\fR, \fR, \fR);
42 .fi
43 .LP
44 is equivalent to:
45 .nf
46 .IP
47 mbrstate_t internal;
48 \fBmbrtowc\fR(NULL, \fR, \fR, \fR != NULL ? \fR : &internal);
49 mbrtowc(NULL, s, n, ps != NULL ? ps : &internal);
50 .fi
51 .in -2
52
53 .sp
54 .LP
55 If \fR is a null pointer, the \fBmbrlen()\fR and \fBmbrlen_l()\fR
56 functions use their own
57 If \fR is a null pointer, the \fBmbrlen()\fR and \fBmbrlen_l()\fR functions
58 internal \fBmbrstate_t\fR object, which is initialized at program startup to the
59 initial conversion state. Otherwise, the \fBmbrstate_t\fR object pointed to

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```

50 by \fR is used to completely describe the current conversion state of the
51 associated character sequence. The implementation will behave as if no function
52 defined in the Reference Manual calls \fBmbrlen()\fR.
53 associated character sequence. illumos will behave as if no function defined in
54 the illumos Reference Manual calls \fBmbrlen()\fR.
55 .sp
56 .LP
57 The behavior of \fBmbrlen()\fR is affected by the \fBLC_CTYPE\fR category of the
58 The behavior of this function is affected by the \fBLC_CTYPE\fR category of the
59 current locale. See \fBenviron\fR(5). The behavior of \fBmbrlen_l()\fR does not
60 use the current environment and instead uses the locale specified by \fBlocale\fR.
61 use the current environment and instead uses the locale specified in the
62 argument \fBlocale\fR as constructed through \fBnewlocale()\fR.
63 .SH RETURN VALUES
64 .sp
65 .LP
66 The \fBmbrlen()\fR and \fBmbrlen_l()\fR functions return the first of the
67 following that applies:
68 .sp
69 .ne 2
70 .na
71 \fB0\fR
72 .ad
73 .RS 17n
74 If the next \fR or fewer bytes complete the character that corresponds to
75 the null wide-character.
76 .RE
77
78 .sp
79 .ne 2
80 .na
81 \fBpositive\fR
82 .ad
83 .RS 17n
84 If the next \fR or fewer bytes complete a valid character; the value
85 returned is the number of bytes that complete the character.
86 .RE
87
88 .sp
89 .ne 2
90 .na
91 \fB(size_t)\fR
92 .ad
93 .RS 17n
94 If the next \fR bytes contribute to an incomplete but potentially valid
95 character, and all \fR bytes have been processed. When \fR has at least
96 the value of the \fBMB_CUR_MAX\fR macro, this case can only occur if \fR
97 points at a sequence of redundant shift sequences (for implementations with
98 state-dependent encodings).
99 .RE
100
101 .sp
102 .ne 2
103 .na
104 \fB(size_t)\fR
105 .ad
106 .RS 17n
107 If an encoding error occurs, in which case the next \fR or fewer bytes do
108 not contribute to a complete and valid character. In this case, \fBEBILSEQ\fR
109 is stored in \fBerrno\fR and the conversion state is undefined.
110 .RE
111
112 .SH ERRORS
113 .sp
114 .LP
115 The \fBmbrlen()\fR and \fBmbrlen_l()\fR functions may fail if:

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```

108 .sp
109 .ne 2
110 .na
111 \fB\fBEINVAL\fr\fr
112 .ad
113 .RS 10n
114 The \fIps\fr argument points to an object that contains an invalid conversion
115 state.
116 .RE

118 .sp
119 .ne 2
120 .na
121 \fB\fBEILSEQ\fr\fr
122 .ad
123 .RS 10n
124 Invalid character sequence is detected.
125 .RE

127 .SH ATTRIBUTES
122 .sp
128 .LP
129 See \fBattributes\fr(5) for descriptions of the following attributes:
125 .sp

127 .sp
130 .TS
131 box;
132 c | c
133 l | l .
134 ATTRIBUTE TYPE ATTRIBUTE VALUE
135 -
136 Interface Stability See below.
134 Interface Stability Standard
137 -
138 MT-Level MT-Safe
136 MT-Level See NOTES below
139 .TE

141 .LP
142 The
143 .B mbrlen()
144 function is Standard. The
145 .B mbrlen_l()
146 function is Uncommitted.
147 .SH SEE ALSO
140 .sp
148 .LP
149 \fBmbrtowc\fr(3C), \fBmbsinit\fr(3C), \fBnewlocale\fr(3C),
150 \fBsetlocale\fr(3C), \fBattributes\fr(5),
142 \fBmbrtowc\fr(3C), \fBmbsinit\fr(3C), \fBsetlocale\fr(3C), \fBattributes\fr(5),
151 \fBenviron\fr(5), \fBstandards\fr(5)
152 .SH NOTES
153 .sp
154 .LP
155 If \fIps\fr is not a null pointer, \fBmbrlen()\fr uses the \fBmbstate_t\fr
156 object pointed to by \fIps\fr and the function can be used safely in
157 multithreaded applications, as long as \fBsetlocale\fr(3C) is not being called
158 to change the locale or a per-thread locale has been installed on the calling
159 thread with \fBuselocale\fr(3C). If \fIps\fr is a null pointer, \fBmbrlen()\fr
160 uses its internal \fBmbstate_t\fr object and the function is Unsafe in
161 multithreaded applications.

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6227 Sun Jun 29 11:52:06 2014

new/usr/src/man/man3c/mbrtowc.3c

Garrett's man page edits.

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```

1  \" te
2  .\" Copyright 2014 Garrett D'Amore <garrett@damore.org>
3  .\" Copyright (c) 1992, X/Open Company Limited. All Rights Reserved. Portions C
4  .\" Sun Microsystems, Inc. gratefully acknowledges The Open Group for permission
5  .\" http://www.opengroup.org/bookstore/.
6  .\" The Institute of Electrical and Electronics Engineers and The Open Group, ha
7  .\" This notice shall appear on any product containing this material.
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9  .\" You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE or http:
10 .\" When distributing Covered Code, include this CDDL HEADER in each file and in
11 .TH MBRTOWC 3C "Jun 23, 2014"
12 .TH MBRTOWC 3C "Nov 1, 2003"
13 .SH NAME
14 mbrtowc, mbrtowc_l \- convert a character to a wide-character code (restartable)
15 mbrtowc \- convert a character to a wide-character code (restartable)
16 .SH SYNOPSIS
17 .LP
18 .nf
19 \fBsize_t\fR \fBmbrtowc\fR(\fBwchar_t *restrict\fR \fR \fIpcw\fR, \fBconst char *res
20 \fBmbstate_t *restrict\fR \fR \fIps\fR);
21 .fi
22 .LP
23 .nf
24 #include <wchar.h>
25 #include <xlocale.h>

27 \fBsize_t\fR \fBmbrtowc_l\fR(\fBwchar_t *restrict\fR \fR \fIpcw\fR, \fBconst char *r
28 \fBmbstate_t *restrict\fR \fR \fIps\fR, \fBlocale_t\fR \fR \fIloc\fR);
29 .fi
30 .SH DESCRIPTION
31 .sp
32 .LP
33 .If
34 .I s
35 is a null pointer, the
36 .B mbrtowc()
37 function is equivalent to the call:
38 If \fIps\fR is a null pointer, the \fBmbrtowc()\fR function is equivalent to the
39 call:
40 .sp
41 .in +2
42 .nf
43 \fBmbrtowc\fR(NULL, "", 1, \fIps\fR)
44 \fBmbrtowc\fR(NULL, '', 1, ps)
45 .fi
46 .in -2

34 .sp
43 .LP
44 Likewise, if
45 .I s
46 is a null pointer, the
47 .B mbrtowc_l()
48 function is equivalent to the call:
49 In this case, the values of the arguments \fIpcw\fR and \fIloc\fR are ignored.
50 .sp
51 .in +2
52 .nf
53 \fBmbrtowc_l\fR(NULL, "", 1, \fIps\fR, \fIloc\fR);

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53 .fi
54 .in -2
55 .LP
56 In these cases, the values of the arguments
57 .I pcw
58 and
59 .I n
60 are ignored.
61 .LP
62 .If
63 .I s
64 is not a null pointer, these functions inspect at most
65 .I n
66 bytes beginning at the byte pointed to by
67 .I s
68 to determine the number of bytes needed to complete the next character
69 (including any shift sequences). If the functions determine that the next
70 character is completed,
71 they determine the value of the corresponding wide-character and then, if
72 .I pcw
73 is not a null pointer, stores that value in the object pointed to by
74 .I pcw .
75 If the corresponding wide-character is the null wide-character, the
39 If \fIps\fR is not a null pointer, the \fBmbrtowc()\fR function inspects at most
40 \fIloc\fR bytes beginning at the byte pointed to by \fIps\fR to determine the
41 number of bytes needed to complete the next character (including any shift
42 sequences). If the function determines that the next character is completed,
43 it determines the value of the corresponding wide-character and then, if
44 \fIpcw\fR is not a null pointer, stores that value in the object pointed to by
45 \fIpcw\fR. If the corresponding wide-character is the null wide-character, the
76 resulting state described is the initial conversion state.
47 .sp
48 .LP
49 .If
50 .I ps
51 is a null pointer, these functions use their own
52 internal
53 .B mbstate_t
54 object, which is initialized at program startup to the
55 initial conversion state. Otherwise, the
56 .B mbstate_t
57 object pointed to by
58 .I ps
59 is used to completely describe the current conversion state of the
60 associated character sequence. The system will behave as if no function defined
61 in the Reference Manual calls
62 .B mbrtowc()
63 or
64 .BR mbrtowc_l() .
49 If \fIps\fR is a null pointer, the \fBmbrtowc()\fR function uses its own
50 internal \fBmbstate_t\fR object, which is initialized at program startup to the
51 initial conversion state. Otherwise, the \fBmbstate_t\fR object pointed to
52 by \fIps\fR is used to completely describe the current conversion state of the
53 associated character sequence. Solaris will behave as if no function defined in
54 the Solaris Reference Manual calls \fBmbrtowc()\fR.
55 .sp
56 .LP
57 The behavior of
58 .B mbrtowc()
59 is affected by the
60 .B LC_CTYPE
61 category of the current locale. The
100 .B mbrtowc_l()
101 function is affected by the
102 .B LC_CTYPE
103 category of the specified

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104 .I loc
105 locale object. See
106 .B environ (5).
107 The behavior of this function is affected by the \fBLC_CTYPE\fR category of the
108 current locale. See \fBenviron\fR(5).
109 .SH RETURN VALUES
110 .sp
111 .LP
112 The
113 .B mbrtowc()
114 and
115 .B mbrtowc_l()
116 functions return the first of the following that applies:
117 .IP \fB0\fR
118 If the next
119 .I n
120 or fewer bytes complete the character that corresponds to
121 The \fBmbrtowc()\fR function returns the first of the following that applies:
122 .sp
123 .ne 2
124 .na
125 \fB0\fR
126 .ad
127 .RS 17n
128 If the next \fIn\fR or fewer bytes complete the character that corresponds to
129 the null wide-character (which is the value stored).
130 .IP \fBpositive\fR
131 If the next
132 .I n
133 or fewer bytes complete a valid character (which is the
134 .RE
135 .sp
136 .ne 2
137 .na
138 \fBpositive\fR
139 .ad
140 .RS 17n
141 If the next \fIn\fR or fewer bytes complete a valid character (which is the
142 value stored); the value returned is the number of bytes that complete the
143 character.
144 .IP \fB(size_t)\(mi2\fR
145 If the next
146 .I n
147 bytes contribute to an incomplete but potentially valid
148 character, and all
149 .I n
150 bytes have been processed (no value is stored).
151 When
152 .I n
153 has at least the value of the
154 .B MB_CUR_MAX
155 macro, this case can only occur if
156 .I s
157 points at a sequence of redundant shift sequences
158 .RE
159 .sp
160 .ne 2
161 .na
162 \fB(size_t)\(mi2\fR
163 .ad
164 .RS 17n
165 If the next \fIn\fR bytes contribute to an incomplete but potentially valid
166 character, and all \fIn\fR bytes have been processed (no value is stored).
167 When \fIn\fR has at least the value of the \fBMB_CUR_MAX\fR macro, this case

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168 can only occur if \fIs\fR points at a sequence of redundant shift sequences
169 (for implementations with state-dependent encodings).
170 .IP \fB(size_t)\(mi1\fR
171 .RE
172 .sp
173 .ne 2
174 .na
175 \fB(size_t)\(mi1\fR
176 .ad
177 .RS 17n
178 If an encoding error occurs, in which case the next \fIn\fR or fewer bytes do
179 not contribute to a complete and valid character (no value is stored). In
180 this case,
181 .B EILSEQ
182 is stored in
183 .B errno
184 and the conversion state is undefined.
185 this case, \fBEILSEQ\fR is stored in \fBerrno\fR and the conversion state is
186 undefined.
187 .RE
188 .SH ERRORS
189 .sp
190 .LP
191 The
192 .B mbrtowc()
193 and
194 .B mbrtowc_l()
195 functions may fail if:
196 .IP \fBEINVAL\fR
197 The
198 .I ps
199 argument points to an object that contains an invalid conversion
200 The \fBmbrtowc()\fR function may fail if:
201 .sp
202 .ne 2
203 .na
204 \fBEINVAL\fR
205 .ad
206 .RS 10n
207 The \fIps\fR argument points to an object that contains an invalid conversion
208 state.
209 .IP \fBEILSEQ\fR
210 .RE
211 .sp
212 .ne 2
213 .na
214 \fBEILSEQ\fR
215 .ad
216 .RS 10n
217 Invalid character sequence is detected.
218 .RE
219 .SH ATTRIBUTES
220 .sp
221 .LP
222 See \fBattributes\fR(5) for descriptions of the following attributes:
223 .sp
224 .TS
225 box;
226 c | c
227 1 | 1 .

```

```
169 ATTRIBUTE TYPE    ATTRIBUTE VALUE
170 _
171 Interface Stability    See below.
145 Interface Stability    Standard
172 _
173 MT-Level              See below.
147 MT-Level              See NOTES below
174 .TE

176 .LP
177 The
178 .B mbrtowc()
179 function is Standard. The
180 .B mbrtowc_l()
181 function is Uncommitted.
182 .LP
183 If
184 .I ps
185 is a null pointer, these functions are Unsafe for use in
186 multithreaded applications. Otherwise they are MT-Safe.
187 .SH SEE ALSO
151 .sp
188 .LP
189 .BR mbsinit (3C),
190 .BR newlocale (3C),
191 .BR setlocale (3C),
192 .BR uselocale (3C),
193 .BR attributes (5),
194 .BR environ (5),
195 .BR standards (5)
153 \fBmbsinit\fR(3C), \fBsetlocale\fR(3C), \fBattributes\fR(5), \fBenviron\fR(5),
154 \fBstandards\fR(5)
155 .SH NOTES
156 .sp
157 .LP
158 If \fIps\fR is not a null pointer, \fBmbrtowc()\fR uses the \fBmbstate_t\fR
159 object pointed to by \fIps\fR and the function can be used safely in
160 multithreaded applications, as long as \fBsetlocale\fR(3C) is not being called
161 to change the locale. If \fIps\fR is a null pointer, \fBmbrtowc()\fR uses its
162 internal \fBmbstate_t\fR object and the function is Unsafe in multithreaded
163 applications.
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4564 Sun Jun 29 11:52:07 2014

new/usr/src/man/man3c/mbsinit.3c

Garrett's man page edits.

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```

1  \" te
2  .\" Copyright 2014 Garrett D'Amore <garrett@damore.org>
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4  .\" Sun Microsystems, Inc. gratefully acknowledges The Open Group for permission
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9  .\" You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE or http:
10 .\" When distributing Covered Code, include this CDDL HEADER in each file and in
11 .TH MBSINIT 3C "Jun 23, 2014"
12 .TH MBSINIT 3C "Jul 24, 2002"
13 .SH NAME
14 mbsinit,mbsinit_l \- determine conversion object status
15 .SH SYNOPSIS
16 .LP
17 #include <wchar.h>
18
19 \fBint\fR \fBmbsinit\fR(\fBconst mbstate_t *\fR\fIps\fR);
20 .fi
21 .LP
22 .nf
23 #include <wchar.h>
24 #include <xlocale.h>
25
26 \fBint\fR \fBmbsinit_l\fR(\fBconst mbstate_t *\fR\fIps\fR, \fBlocale_t\fR \fIloc
27 .fi
28
29 .SH DESCRIPTION
30 .sp
31 .LP
32 If \fBps\fR is not a null pointer, the \fBmbsinit()\fR function determines
33 whether the object pointed to by \fBps\fR describes an initial conversion state.
34 .LP
35 The function \fBmbsinit_l()\fR behaves identically to \fBmbsinit()\fR except the
36 the function \fBmbsinit_l()\fR behaves identically to \fBmbsinit()\fR except the
37 current locale is ignored and the locale \fIloc\fR is used instead.
38 .SH RETURN VALUES
39 .sp
40 .LP
41 The \fBmbsinit()\fR function returns non-zero if \fBps\fR is a null pointer,
42 or if the pointed-to object describes an initial conversion state; otherwise,
43 it returns \fB0\fR.
44 .sp
45 .LP
46 If an \fBmbstate_t\fR object is altered by any of the functions described as
47 "restartable", and is then used with a different character sequence, or in the
48 other conversion direction, or with a different \fBLC_CTYPE\fR category setting
49 than on earlier function calls, the behavior is undefined. See
50 \fBenviron\fR(5).
51 .SH ERRORS
52 .sp
53 .LP
54 No errors are defined.
55 .SH USAGE
56 .sp
57 .LP
58 The \fBmbstate_t\fR object is used to describe the current conversion state
59 from a particular character sequence to a wide-character sequence (or vice
60 versa) under the rules of a particular setting of the \fBLC_CTYPE\fR category

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54 of the current locale.

53 .sp

55 .LP

56 The initial conversion state corresponds, for a conversion in either direction,  
57 to the beginning of a new character sequence in the initial shift state. A  
58 zero-valued \fBmbstate\_t\fR object is at least one way to describe an initial  
59 conversion state. A zero-valued \fBmbstate\_t\fR object can be used to initiate  
60 conversion involving any character sequence, in any \fBLC\_CTYPE\fR category  
61 setting.

62 .SH ATTRIBUTES

62 .sp

63 .LP

64 See \fBattributes\fR(5) for descriptions of the following attributes:

65 .sp

67 .sp

65 .TS

66 box;

67 c | c

68 l | l .

69 ATTRIBUTE TYPE ATTRIBUTE VALUE

70 -

71 **Interface Stability** See below.

74 *Interface Stability* Standard

72 -

73 **MT-Level** MT-Safe

76 *MT-Level* MT-Safe with exceptions

74 .TE

76 .LP

77 **The**

78 **.B mbsinit()**

79 **function is Standard. The**

80 **.B mbsinit\_l()**

81 **function is Uncommitted.**

82 .SH SEE ALSO

80 .sp

83 .LP

84 \fBmbrlen\fR(3C), \fBmbrtowc\fR(3C), \fBmbsrtowcs\fR(3C),

85 \fBnewlocale\fR(3C), \fBsetlocale\fR(3C),

82 \fBmbrlen\fR(3C), \fBmbrtowc\fR(3C), \fBmbsrtowcs\fR(3C), \fBsetlocale\fR(3C),

86 \fBwcrctomb\fR(3C), \fBwcrctombs\fR(3C), \fBuselocale\fR(), \fBattributes\fR(5),

87 \fBstandards\fR(5)

85 .SH NOTES

86 .sp

87 .LP

88 *The \fBmbsinit()\fR function can be used safely in multithreaded applications,*

89 *as long as \fBsetlocale\fR(3C) is not being called to change the locale or a*

90 *per-thread locale has been installed with \fBuselocale\fR(3C).*

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*****
6941 Sun Jun 29 11:52:09 2014
new/usr/src/man/man3c/mbsrtowcs.3c
Garrett's man page edits.
*****
1 \" te
2 .\" Copyright 2014 Garrett D'Amore <garrett@damore.org>
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9 .\" You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE or http:
10 .\" When distributing Covered Code, include this CDDL HEADER in each file and in
11 .TH MBSRTOWCS 3C "Jun 28, 2014"
12 .TH MBSRTOWCS 3C "Nov 1, 2003"
13 .SH NAME
14 mbsnrtowcs, mbsnrtowcs_l, mbsrtowcs, mbsrtowcs_l \- convert a character string
15 to a wide-character string (restartable)
16 mbsrtowcs, mbsrtowcs_l \- convert a character string to a wide-character string
17 (restartable)
18 .SH SYNOPSIS
19 .LP
20 .nf
21 #include <wchar.h>
22
23 \fBsize_t\fR \fBmbsnrtowcs\fR(\fBwchar_t *restrict\fR \fFidst\fR, \fBconst char *
24 \fBsize_t\fR \fFinms\fR, \fBsize_t\fR \fFilen\fR, \fBmbstate_t *restrict\fR \
25 \fBsize_t\fR \fFilen\fR, \fBmbstate_t *restrict\fR \fFips\fR);
26
27 \fBsize_t\fR \fBmbsnrtowcs_l\fR(\fBwchar_t *restrict\fR \fFidst\fR, \fBconst char
28 \fBsize_t\fR \fFilen\fR, \fBmbstate_t *restrict\fR \fFips\fR, \fBlocale_t\fR
29 \fFfi
30 .LP
31 .nf
32 #include <wchar.h>
33 #include <xlocale.h>
34 \fBsize_t\fR \fBmbsnrtowcs\fR(\fBwchar_t *restrict\fR \fFidst\fR, \fBconst char *
35 \fBsize_t\fR \fFinms\fR, \fBsize_t\fR \fFilen\fR, \fBmbstate_t *restrict\fR \
36 \fBsize_t\fR \fFilen\fR, \fBmbstate_t *restrict\fR \fFips\fR, \fBlocale_t\fR \
37 \fFfi
38 .LP
39 .nf
40 #include <wchar.h>
41 #include <xlocale.h>
42 \fBsize_t\fR \fBmbsnrtowcs_l\fR(\fBwchar_t *restrict\fR \fFidst\fR, \fBconst char
43 \fBsize_t\fR \fFinms\fR, \fBsize_t\fR \fFilen\fR, \fBmbstate_t *restrict\fR \
44 \fBsize_t\fR \fFilen\fR, \fBmbstate_t *restrict\fR \fFips\fR, \fBlocale_t\fR \
45 \fFfi
46 .SH DESCRIPTION
47 .sp
48 .LP
49 These function converts a sequence of characters, beginning in
50 the \fBmbsrtowcs()\fR function converts a sequence of characters, beginning in
51 the conversion state described by the object pointed to by \fFips\fR, from the
52 array indirectly pointed to by \fFisrc\fR into a sequence of corresponding
53 wide-characters. If \fFidst\fR is not a null pointer, the converted characters
54 are stored into the array pointed to by \fFidst\fR. Conversion continues up to

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48 and including a terminating null character, which is also stored. Conversion
49 stops early in either of the following cases:
50 .RS +4
51 .TP
52 .ie t \(\bu
53 .el o
54 When a sequence of bytes is encountered that does not form a valid character.
55 .RE
56 .RS +4
57 .TP
58 .ie t \(\bu
59 .el o
60 When \fFilen\fR codes have been stored into the array pointed to by \fFidst\fR
61 (and \fFidst\fR is not a null pointer).
62 .RE
63 .sp
64 .LP
65 Each conversion takes place as if by a call to the \fBmbrtowc()\fR function.
66 .sp
67 .LP
68 If \fFidst\fR is not a null pointer, the pointer object pointed to by \fFisrc\fR
69 is assigned either a null pointer (if conversion stopped due to reaching a
70 terminating null character) or the address just past the last character
71 converted (if any). If conversion stopped due to reaching a terminating null
72 character, and if \fFidst\fR is not a null pointer, the resulting state
73 described is the initial conversion state.
74 .sp
75 .LP
76 If \fFips\fR is a null pointer, these functions uses their own
77 internal \fBmbstate_t\fR object, which is initialized at program startup to the
78 initial conversion state. Otherwise, the \fBmbstate_t\fR object pointed to by
79 \fFips\fR is used to completely describe the current conversion state of the
80 associated character sequence. The system will behave as if no function defined
81 in the Reference Manual calls any of these functions.
82 associated character sequence. \fBillumos\fR will behave as if no function defined in
83 the \fBillumos Reference Manual\fR calls \fBmbsrtowcs()\fR.
84 .sp
85 .LP
86 The function \fBmbsnrtowcs()\fR behaves identically to \fBmbsrtowcs()\fR,
87 The function \fBmbsnrtowcs_l\fR function behaves identically to \fBmbsrtowcs_l\fR,
88 except the conversion stops after reading \fFinms\fR bytes from the
89 buffer pointed to by \fFisrc\fR.
90 .sp
91 .LP
92 The behavior of \fBmbrtowcs()\fR and \fBmbsrtowcs()\fR functions are
93 affected by the \fBLC_CTYPE\fR category of the
94 The behavior of this function is affected by the \fBLC_CTYPE\fR category of the
95 current locale. See \fBenvIRON\fR(5). The functions \fBmbsrtowcs_l()\fR and
96 \fBmbsnrtowcs_l()\fR behave identically to \fBmbsrtowcs()\fR and
97 \fBmbsnrtowcs_l()\fR, except that instead of using the current locale, they use
98 the locale specified by \fFiloc\fR.
99 \fBmbsnrtowcs_l()\fR behaves identically to \fBmbsrtowcs_l()\fR and
100 \fBmbsnrtowcs()\fR, except that instead of using the current locale, it uses the
101 locale specified by \fFiloc\fR.
102 .SH RETURN VALUES
103 .sp
104 .LP
105 If the input conversion encounters a sequence of bytes that do not form a valid
106 character, an encoding error occurs. In this case, these
107 functions store the value of the macro \fBEILSEQ\fR in \fFBerrno\fR and return
108 \fB(size_t)\fR(0); the conversion state is undefined. Otherwise, they return
109 a character, an encoding error occurs. In this case, the \fBmbsrtowcs()\fR
110 function stores the value of the macro \fBEILSEQ\fR in \fFBerrno\fR and returns
111 \fB(size_t)\fR(0); the conversion state is undefined. Otherwise, it returns
112 the number of characters successfully converted, not including the terminating

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97 null (if any).
98 .SH ERRORS
100 .sp
99 .LP
100 These functions may fail if:
102 The \fBmbsrtowcs()\fR function may fail if:
101 .sp
102 .ne 2
103 .na
104 \fB\fbEINVAL\fR\fR
105 .ad
106 .RS 10n
107 The \fIps\fR argument points to an object that contains an invalid conversion
108 state.
109 .RE

111 .sp
112 .ne 2
113 .na
114 \fB\fbEILSEQ\fR\fR
115 .ad
116 .RS 10n
117 Invalid character sequence is detected.
118 .RE

119 .SH ATTRIBUTES
123 .sp
120 .LP
121 See \fBattributes\fR(5) for descriptions of the following attributes:
126 .sp

128 .sp
122 .TS
123 box;
124 c | c
125 l | l .
126 ATTRIBUTE TYPE ATTRIBUTE VALUE
127 -
128 Interface Stability See below.
135 Interface Stability Standard
129 -
130 MT-Level See below.
137 MT-Level See NOTES below
131 .TE

133 .LP
134 The
135 .B mbsnrtowcs()
136 and
137 .B mbsrtowcs()
138 functions are Standard. The
139 .B mbsnrtowcs_l()
140 and
141 .B mbsrtowcs_l()
142 functions are Uncommitted.
143 .LP
144 If \fIps\fR is not a null pointer, these functions use the \fBmbstate_t\fR
145 object pointed to by \fIps\fR and can be used safely in
146 multithreaded applications, otherwise they use an
147 internal \fBmbstate_t\fR object and are Unsafe in multithreaded
148 applications.
149 .SH SEE ALSO
141 .sp
150 .LP
151 \fBmbrtowc\fR(3C), \fBmbsinit\fR(3C), \fBnewlocale\fR(3C),
152 \fBsetlocale\fR(3C), \fBuselocale()\fR, \fBattributes\fR(5),

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143 \fBmbrtowc\fR(3C), \fBmbsinit\fR(3C), \fBsetlocale\fR(3C), \fBuselocale()\fR, \fB
153 \fBenviron\fR(5), \fBstandards\fR(5)
145 .SH NOTES
146 .sp
147 .LP
148 If \fIps\fR is not a null pointer, \fBmbsrtowcs()\fR uses the \fBmbstate_t\fR
149 object pointed to by \fIps\fR and the function can be used safely in
150 multithreaded applications, as long as \fBsetlocale\fR(3C) is not being called
151 to change the locale or a per-thread locale has been installed with
152 \fBuselocale()\fR. If \fIps\fR is a null pointer, \fBmbsrtowcs()\fR uses its
153 internal \fBmbstate_t\fR object and the function is Unsafe in multithreaded
154 applications.

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4646 Sun Jun 29 11:52:11 2014

new/usr/src/man/man3c/mbtowc.3c

Garrett's man page edits.

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```

1  \" te
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9  .\" When distributing Covered Code, include this CDDL HEADER in each file and in
10 .TH MBTOWC 3C "Jun 23, 2014"
10 .TH MBTOWC 3C "Nov 1, 2003"
11 .SH NAME
12 mbtowc, mbtowc_l \- convert a character to a wide-character code
13 .SH SYNOPSIS
14 .LP
15 .nf
16 #include <stdlib.h>

18 \fBint\fR \fBmbtowc\fR(\fBwchar_t *restrict\fR, \fBipwc\fR, \fBconst char *restric
19 \fBint\fR \fBmbtowc_l\fR(\fBwchar_t *restrict\fR, \fBipwc\fR, \fBconst char *restr
19 .fi
20 .LP
21 .nf
22 #include <stdlib.h>
23 #include <xlocale.h>

25 \fBint\fR \fBmbtowc_l\fR(\fBwchar_t *restrict\fR, \fBipwc\fR, \fBconst char *restr
26 \fBlocale_t\fR \fBilloc\fR);
27 .fi
28 .SH DESCRIPTION
29 .sp
29 .LP
30 If \fBis\fR is not a null pointer, \fBmbtowc()\fR determines the number of the
31 bytes that constitute the character pointed to by \fBis\fR. It then determines
32 the wide-character code for the value of type \fBwchar_t\fR that corresponds to
33 that character. (The value of the wide-character code corresponding to the null
34 byte is 0.) If the character is valid and \fBipwc\fR is not a null pointer,
35 \fBmbtowc()\fR stores the wide-character code in the object pointed to by
36 \fBipwc\fR.
37 .sp
37 .LP
38 A call with \fBis\fR as a null pointer causes this function to return \fB0\fR.
39 The behavior of this function is affected by the \fBLC_CTYPE\fR category of the
40 current locale. At most \fBin\fR bytes of the array pointed to by \fBis\fR will
41 be examined.
38 .sp
42 .LP
43 The function \fBmbtowc_l()\fR behaves identically to \fBmbtowc()\fR, except
44 instead of using the current locale, it uses the locale as specified by
45 \fBilloc\fR.
46 .SH RETURN VALUES
44 .sp
47 .LP
48 If \fBis\fR is a null pointer, these functions return \fB0\fR. If \fBis\fR is not
49 a null pointer, they return \fB0\fR (if \fBis\fR points to the null
46 If \fBis\fR is a null pointer, \fBmbtowc()\fR returns \fB0\fR. If \fBis\fR is not
47 a null pointer, \fBmbtowc()\fR returns \fB0\fR (if \fBis\fR points to the null
50 byte), the number of bytes that constitute the converted character (if the next
51 \fBin\fR or fewer bytes form a valid character), or \fB\mil\fR and may set
52 \fBerrno\fR to indicate the error (if they do not form a valid character).
51 .sp

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53 .LP
54 In no case will the value returned be greater than \fIn\fR or the value of the
55 \fBMB_CUR_MAX\fR macro.
56 .SH ERRORS
57 .sp
57 .LP
58 The \fBmbtowc()\fR and \fBmbtowc_l()\fR functions may fail if:
58 The \fBmbtowc()\fR function may fail if:
59 .sp
60 .ne 2
61 .na
62 \fB\FBEILSEQ\fR
63 .ad
64 .RS 10n
65 Invalid character sequence is detected.
66 .RE

68 .SH USAGE
69 .sp
70 .LP
71 The \fBmbtowc()\fR function can be used safely in multithreaded applications,
72 as long as \fBsetlocale\fR(3C) is not being called to change the locale.
67 .SH ATTRIBUTES
74 .sp
68 .LP
69 See \fBattributes\fR(5) for descriptions of the following attributes:
77 .sp

79 .sp
70 .TS
71 box;
72 c | c
82 l | l
73 l | l .
74 ATTRIBUTE TYPE ATTRIBUTE VALUE
75 _
76 CSI Enabled
77 _
78 Interface Stability See below.
88 Interface Stability Standard
79 _
80 MT-Level MT-Safe
90 MT-Level MT-Safe with exceptions
81 .TE

83 .LP
84 The
85 .B mbtowc()
86 function is Standard. The
87 .B mbtowc_l()
88 function is Uncommitted.
89 .SH SEE ALSO
94 .sp
90 .LP
91 \fBmbrlen\fR(3C), \fBmbstowcs\fR(3C),
92 \fBnewlocale\fR(3C), \fBsetlocale\fR(3C), \fBuselocale\fR(3C),
96 \fBmbrlen\fR(3C), \fBmbstowcs\fR(3C), \fBsetlocale\fR(3C), \fBuselocale\fR(3C),
93 \fBwcstombs\fR(3C), \fBwctomb\fR(3C), \fBattributes\fR(5), \fBstandards\fR(5)

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*****
4310 Sun Jun 29 11:52:13 2014
new/usr/src/man/man3c/newlocale.3c
Garrett's man page edits.
*****
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13 \" Copyright (c) 2014 Joyent, Inc. All rights reserved.
14 \" Copyright 2014 Garrett D'Amore <garrett@damore.org>
15 \"
16 .TH NEWLOCALE 3C \"Jun 23, 2014\"
17 .TH NEWLOCALE 3C \"Jun 11, 2014\"
18
19 .SH NAME
20
21 duplocale, freelocale, newlocale \- create, duplicate, and destroy locale object
22
23 .SH SYNOPSIS
24
25 .LP
26 .nf
27 #include <locale.h>
28
29 \fBlocale_t\fR \fBnewlocale\fR(\fBint\fR \fBcategory_mask\fR, \fBconst char *\fR
30 \fBlocale_t\fR \fBbase\fR);
31
32 .fi
33 .BI "locale_t newlocale(int " category_mask, " const char *" locale,
34 .BI " locale_t " base );
35 .LP
36 .nf
37 \fBlocale_t\fR \fBduplocale\fR(\fBlocale_t\fR \fBiloc\fR);
38
39 .fi
40 .BI "locale_t duplocale(locale_t " loc );
41 .LP
42 .nf
43 \fBvoid\fR \fBfreelocale\fR(\fBlocale_t\fR \fBiloc\fR);
44
45 .fi
46 .BI "void freelocale(locale_t " loc );
47
48 .SH DESCRIPTION
49 .LP
50 These functions manipulate locale objects that can be used
51 .BR uselocale (3C)
52 and functions that take arguments of type
53 .BR locale_t .
54
55 .LP
56 The function
57 .B newlocale()
58 .I newlocale
59 can be used to create a new locale object. It can also be used to modify an
60 existing locale object, the new locale object will be a replacement for the
61 modified locale object. To create a new locale, the argument
62 .I base
63 should be passed the special argument
64 .RB ( locale_t )0.

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```

50 This will use a copy of the current global locale as a starting point. To modify
51 an existing locale object, it should be passed in as the argument
52 .IR base .
53 The new locale object is constructed by taking the categories specified in
54 .I category_mask
55 from the locale specified by the string
56 .IR locale ,
57 and filling in the remaining categories from the locale
58 .IR base .
59 When
60 .B newlocale()
61 .B newlocale
62 returns, callers must no longer use
63 .IR base
64 and assume that
65 .BR freelocale (3C)
66 has been called on it. In addition to locales defined on the system, the
67 following three locales may always be passed in as the string
68 .IR locale :
69 .TP
70 .sp
71 .ne 2
72 .na
73 "C"
74 .ad
75 .sp .6
76 .RS 4n
77 Specifies the traditional UNIX system behavior.
78 .TP
79 .RE
80
81 .sp
82 .ne 2
83 .na
84 "POSIX"
85 .ad
86 .sp .6
87 .RS 4n
88 An alternate name fo the locale "C".
89 .TP
90 .RE
91
92 .sp
93 .ne 2
94 .na
95 ""
96 .ad
97 .sp .6
98 .RS 4n
99 Indicates that the locale should be processed based in the values in the
100 environment. See
101 .BR setlocale (3C)
102 and
103 .BR environ (5)
104 .BR setlocale "(3C) and " environ (5)
105 for more information.
106 .RE
107
108 .LP
109 The value of
110 .I category_mask
111 is a bitwise-inclusive or of the following macros which correspond to categories
112 as defined in

```

```

87 .BR locale (5)
88 and
89 .BR environ (5):
90 .TP
91 .B LC_CTYPE_MASK
109 .BR locale "(5) and " environ" (5):

111 .sp
112 .ne 2
113 .na
114 LC_CTYPE_MASK
115 .ad
116 .sp .6
117 .RS 4n
92 Character classification and case conversion.
93 .TP
94 .B LC_NUMERIC_MASK
119 .RE

121 .sp
122 .ne 2
123 .na
124 LC_NUMERIC_MASK
125 .ad
126 .sp .6
127 .RS 4n
95 Numeric formatting.
96 .TP
97 .B LC_TIME_MASK
129 .RE

131 .sp
132 .ne 2
133 .na
134 LC_TIME_MASK
135 .ad
136 .sp .6
137 .RS 4n
98 Date and time formatting.
99 .TP
100 .B LC_COLLATE_MASK
139 .RE

141 .sp
142 .ne 2
143 .na
144 LC_COLLATE_MASK
145 .ad
146 .sp .6
147 .RS 4n
101 Collation order.
102 .TP
103 .B LC_MONETARY_MASK
104 Monetary formatting.
105 .TP
106 .B LC_MESSAGES_MASK
149 .RE

151 .sp
152 .ne 2
153 .na
154 LC_MONETARY_MASK
155 .ad
156 .sp .6
157 .RS 4n
158 Monetary formatting.

```

```

159 .RE

161 .sp
162 .ne 2
163 .na
164 LC_MESSAGES_MASK
165 .ad
166 .sp .6
167 .RS 4n
107 Formats of informative and diagnostic messages and interactive responses.
108 .TP
109 .B LC_ALL_MASK
110 Mask of all categories.
169 .RE

171 .sp
172 .ne 2
173 .na
174 LC_ALL_MASK
175 .ad
176 .sp .6
177 .RS 4n
178 Instructs that all the categories defined above, be used.
179 .RE

111 .LP
112 The function
113 .B duplocale()
114 duplicates the locale object specified by
115 .IR loc .
116 If the locale object passed is
117 .BR LC_GLOBAL_LOCALE ,
118 .B duplocale()
119 creates a copy of the current global locale as defined through calls to
120 .BR setlocale (3C).

121 .LP
122 The function
123 .B freelocale()
124 removes and releases all resources associated with the locale object
125 .IR loc .
126 Programs must not call
127 .B freelocale()
128 on
129 .BR LC_GLOBAL_LOCALE .

130 .SH RETURN VALUES
131 .LP

132 On success, the functions
133 .B newlocale()
134 and
135 .B duplocale()
136 return a new locale object that can be used with functions that take a
137 .BR locale_t .
138 Locale objects created this way should be freed with
139 .BR freelocale() .
140 On error, the functions
141 .B newlocale()
142 and
143 .B duplocale()
144 return
145 .BR (locale_t) 0
146 and
147 .B errno
148 is set to indicate the error. The

```

```
149 .B freelocale()
150 function does not set
151 .B errno.

152 .SH ERRORS
153 .LP
154 The
155 .B newlocale()
156 and
157 .B duplocale()
158 functions will fail if:
159 .TP
232 .sp
233 .ne 2
234 .na
160 .B ENOMEM
236 .ad
237 .RS 10n
161 Insufficient memory was available to create the locale object or to load the
162 requested locale data.
240 .RE

163 .LP
164 The
165 .B newlocale()
166 function will fail if:
167 .TP
246 .sp
247 .ne 2
248 .na
168 .B EINVAL
250 .ad
251 .RS 10n
169 An unknown bit is specified in
170 .IR category_mask .
171 .TP
254 .RE
255 .sp
256 .ne 2
257 .na
172 .B ENOENT
259 .ad
260 .RS 10n
173 Locale data was not found for a category specified in
262 .IR category_mask .
263 .RE

174 .SH ATTRIBUTES
266 .sp
175 .TS
176 box:
177 c | c
178 l | l .
179 ATTRIBUTE TYPE ATTRIBUTE VALUE
180 -
181 Interface Stability Standard
182 -
183 MT-Level Safe
184 .TE

186 .SH SEE ALSO
187 .BR locale (1),
188 .BR setlocale (3C),
189 .BR uselocale (3C),
190 .BR environ (5),
191 .BR locale (5)
```

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4081 Sun Jun 29 11:52:15 2014

new/usr/src/man/man3c/nl\_langinfo.3c

Garrett's man page edits.

\*\*\*\*\*

```

1  \" te
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11 .TH NL_LANGINFO 3C "Jun 24, 2014"
12 .TH NL_LANGINFO 3C "Jul 24, 2002"
13 .SH NAME
14 nl_langinfo, nl_langinfo_l \- language information
15 .SH SYNOPSIS
16 .LP
17 #include <langinfo.h>
18
19 \fBchar * \fR\fBnl_langinfo\fR(\fBnl_item\fR \fR \fIitem\fR);
20 .fi
21 .LP
22 .nf
23 \fBchar * \fR\fBnl_langinfo_l\fR(\fBnl_item\fR \fR \fIitem\fR, \fBlocale_t\fR \fR \fIloc
24 .fi
25
26 .SH DESCRIPTION
27 .sp
28 .LP
29 The \fBnl_langinfo()\fR function returns a pointer to a null-terminated string
30 containing information relevant to a particular language or cultural area
31 defined in the programs locale. The manifest constant names and values of
32 \fIitem\fR are defined by <\fBlanginfo.h\fR>. For example:
33 .IP
34 \fBnl_langinfo\fR(\fBABBAY_1\fR);
35 .sp
36 .LP
37 \fBnl_langinfo (ABDAY_1);\fR
38 .sp
39 .LP
40 would return a pointer to the string "\fBDim\fR" if the identified language was
41 French and a French locale was correctly installed; or "\fBSun\fR" if the
42 identified language was English.
43 .sp
44 .LP
45 The function \fBnl_langinfo_l()\fR behaves identically to \fBnl_langinfo()\fR,
46 except instead of acting in the current locale, it instead acts in the locale
47 specified by \fIloc\fR.
48 .SH RETURN VALUES
49 .sp
50 .LP
51 If the locale has not been set or is invalid, or if data for a
52 If \fBsetlocale\fR(3C) has not been called successfully, or if data for a
53 supported language is either not available, or if \fIitem\fR is not defined
54 therein, then these functions return a pointer to the corresponding string
55 in the C locale. In all locales, they return a pointer to an
56 therein, then \fBnl_langinfo()\fR returns a pointer to the corresponding string
57 in the C locale. In all locales, \fBnl_langinfo()\fR returns a pointer to an
58 empty string if \fIitem\fR contains an invalid setting.
59 .SH USAGE
60 .sp
61 .LP

```

```

52 .LP
53 The \fBnl_langinfo()\fR function can be used safely in multithreaded
54 applications, as long as \fBsetlocale\fR(3C) is not being called to change the
55 locale.
56 .SH ATTRIBUTES
57 .sp
58 .LP
59 See \fBattributes\fR(5) for descriptions of the following attributes:
60 .sp
61 .TS
62 .sp
63 box;
64 c | c
65 l | l .
66 ATTRIBUTE TYPE ATTRIBUTE VALUE
67 _
68 _
69 Interface Stability Standard
70 _
71 MT-Level MT-Safe
72 MT-Level MT-Safe with exceptions
73 .TE
74
75 .SH SEE ALSO
76 .sp
77 .LP
78 .LP
79 \fBnewlocale\fR(3C), \fBsetlocale\fR(3C), \fBuselocale\fR(3C),
80 \fBlanginfo.h\fR(3HEAD), \fBnl_types.h\fR(3HEAD),
81 \fBsetlocale\fR(3C), \fBlanginfo.h\fR(3HEAD), \fBnl_types.h\fR(3HEAD),
82 \fBattributes\fR(5), \fBstandards\fR(5)
83 .SH WARNINGS
84 .sp
85 .LP
86 The array pointed to by the return value should not be modified by the program.
87 Subsequent calls to these functions may overwrite the array.
88 Subsequent calls to \fBnl_langinfo()\fR may overwrite the array.

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4626 Sun Jun 29 11:52:18 2014

new/usr/src/man/man3c/strcoll.3c

Garrett's man page edits.

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```

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13 .TH STRCOLL 3C "Jun 23, 2014"
12 .TH STRCOLL 3C "Nov 1, 2003"
14 .SH NAME
15 strcoll, strcoll_l \- string collation
16 .SH SYNOPSIS
17 .LP
18 .nf
19 #include <string.h>

21 \fBint\fR \fBstrcoll\fR(\fBconst char *\fR\fIs1\fR, \fBconst char *\fR\fIs2\fR);
22 .fi
23 .LP
24 .nf
25 \fBint\fR \fBstrcoll_l\fR(\fBconst char *\fR\fIs1\fR, \fBconst char *\fR\fIs2\fR
26 .fi

28 .SH DESCRIPTION
29 .sp
30 Both \fBstrcoll()\fR and \fBstrxfrm\fR(3C) provide for locale-specific string
31 sorting. \fBstrcoll()\fR is intended for applications in which the number of
32 comparisons per string is small. When strings are to be compared a number of
33 times, \fBstrxfrm\fR(3C) is a more appropriate function because the
34 transformation process occurs only once.
35 .LP
36 The \fBstrcoll_l()\fR function behaves
37 transformation process occurs only once. The \fBstrcoll_l()\fR function behaves
38 identically to \fBstrcoll()\fR, except instead of operating in the current
39 locale, it operates in the locale specified by \fIloc\fR.
40 .sp
41 The \fBstrcoll()\fR function does not change the setting of \fBerrno\fR if
42 successful.
43 .sp
44 .LP
45 Since no return value is reserved to indicate an error, an application wishing
46 to check for error situations should set \fBerrno\fR to 0, then call
47 \fBstrcoll()\fR, then check \fBerrno\fR.
48 .SH RETURN VALUES
49 .sp
50 .LP
51 Upon successful completion, \fBstrcoll()\fR returns an integer greater than,
52 equal to, or less than zero in direct correlation to whether string \fIs1\fR is
53 greater than, equal to, or less than the string \fIs2\fR. The comparison is
54 based on strings interpreted as appropriate to the locale
55 based on strings interpreted as appropriate to the program's locale for
56 category \fBLC_COLLATE\fR (see \fBsetlocale\fR(3C)).
57 .sp
58 .LP

```

```

54 On error, \fBstrcoll()\fR may set \fBerrno\fR, but no return value is reserved
55 to indicate an error.
56 .SH ERRORS
57 .sp
58 .LP
59 The \fBstrcoll()\fR and \fBstrcoll_l()\fR functions may fail if:
60 .sp
61 .ne 2
62 .na
63 \fBEBINVAL\fR
64 .ad
65 .RS 10n
66 The \fIs1\fR or \fIs2\fR arguments contain characters outside the domain of the
67 collating sequence.
68 .RE

69 .SH FILES
70 .IP \fB/usr/lib/locale/\fR\fIlocale\fR/\fB/LC_COLLATE/*\fR
71 collation database for \fIlocale\fR
72 .sp
73 .ne 2
74 .na
75 \fB/usr/lib/locale/\fIlocale\fR/\fIlocale\fR.so.*\fR
76 .ad
77 .sp .6
78 .RS 4n
79 \fBLC_COLLATE\fR database for \fIlocale\fR
80 .RE

81 .SH ATTRIBUTES
82 .sp
83 .LP
84 See \fBattributes\fR(5) for descriptions of the following attributes:
85 .sp

86 .sp
87 .TS
88 box;
89 c | c
90 l | l .
91 ATTRIBUTE TYPE ATTRIBUTE VALUE
92 -
93 CSI Enabled
94 -
95 Interface Stability Standard
96 -
97 MT-Level MT-Safe
98 MT-Level MT-Safe with exceptions
99 .TE

100 .sp
101 .LP
102 The \fBstrcoll()\fR function can be used safely in multithreaded applications,
103 as long as \fBsetlocale\fR(3C) is not being called to change the locale.
104 .SH SEE ALSO
105 .sp
106 .LP
107 \fBlocaledef\fR(1), \fBnewlocale\fR(3C), \fBsetlocale\fR(3C), \fBstring\fR(3C),
108 \fBstrxfrm\fR(3C), \fBuselocale\fR(3C),
109 \fBlocaledef\fR(1), \fBsetlocale\fR(3C), \fBstring\fR(3C), \fBstrxfrm\fR(3C),
110 \fBwsxfrm\fR(3C), \fBattributes\fR(5), \fBenviron\fR(5), \fBstandards\fR(5)

```





```
128 bytes placed in the buffer (excluding the terminating null character) is
129 returned.
130 .LP
131 If the result of expansion exceeds
132 .I maxsize
133 bytes, then the value \((mil is returned, and
134 .I errno
135 is set to
136 .BR E2BIG .
137 .SH NOTES
138 The result of formatting a value that is not a rational number (e.g. +NaN) is
139 unspecified.
140 .SH ATTRIBUTES
141 .LP
142 See
143 .BR attributes (5)
144 for descriptions of the following attributes:
145 .TS
146 box;
147 c | c
148 l | l .
149 ATTRIBUTE TYPE  ATTRIBUTE VALUE
150 -
151 CSI             Enabled
152 -
153 Interface Stability  Standard
154 -
155 MT-Level        MT-Safe
156 .TE
158 .SH SEE ALSO
159 .BR setlocale (3C),
160 .BR uselocale (3C),
161 .BR locale (3HEAD),
162 .BR attributes (5),
163 .BR standards (5)
```

```

*****
16204 Sun Jun 29 11:52:21 2014
new/usr/src/man/man3c/strftime.3c
Garrett's man page edits.
*****
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14.\"TH STRFTIME 3C \"Jun 24, 2014\"
13.\"TH STRFTIME 3C \"Jan 3, 2014\"
15.SH NAME
16.strftime, strftime_l cftime, ascftime \- convert date and time to string
17.SH SYNOPSIS
18.LP
19.nf
20#include <time.h>

22 \fBsize_t\fR \fBstrftime\fR(\fBchar *restrict\fR \fBis\fR, \fBsize_t\fR \fBmaxsiz
23 \fBconst char *restrict\fR \fBformat\fR,
24 \fBconst struct tm *restrict\fR \fBt\fR);
25.fi
26.LP
27.nf
28 \fBsize_t\fR \fBstrftime_l\fR(\fBchar *restrict\fR \fBis\fR, \fBsize_t\fR \fBmaxs
29 \fBconst char *restrict\fR \fBformat\fR,
30 \fBconst struct tm *restrict\fR \fBt\fR, \fBlocale_t\fR \fBiloc\fR);
31.fi

32.LP
33.nf
34 \fBint\fR \fBcftime\fR(\fBchar *fR \fBis\fR, \fBchar *fR \fBformat\fR, \fBconst t
35.fi

36.LP
37.nf
38 \fBint\fR \fBascftime\fR(\fBchar *fR \fBis\fR, \fBconst char *fR \fBformat\fR,
39 \fBconst struct tm *fR \fBt\fR);
40.fi

42.SH DESCRIPTION
43.sp
44.LP
45.The \fBstrftime()\fR, \fBstrftime_l()\fR, \fBascftime()\fR, and \fBcftime()\fR
46.functions place
47.The \fBstrftime()\fR, \fBascftime()\fR, and \fBcftime()\fR functions place
48.bytes into the array pointed to by \fBis\fR as controlled by the string pointed
49.to by \fBformat\fR. The \fBformat\fR string consists of zero or more conversion
50.specifications and ordinary characters. A conversion specification consists of
51.a '\fB%\fR' (percent) character and one or two terminating conversion
52.characters that determine the conversion specification's behavior. All
53.ordinary characters (including the terminating null byte) are copied unchanged
54.into the array pointed to by \fBis\fR. If copying takes place between objects
55.that overlap, the behavior is undefined. For \fBstrftime()\fR, no more than
56.\fBmaxsize\fR bytes are placed into the array. The \fBstrftime_l()\fR function
57.behaves identically to \fBstrftime()\fR function, but instead of operating in
the current locale, it operates in the locale specified by \fBiloc\fR.

```

```

55.sp
58.LP
59.If \fBformat\fR is \fB(char *)0\fR, then the locale's default format is used.
60.For \fBstrftime()\fR the default format is the same as \fB%c\fR; for
61.\fBcftime()\fR and \fBascftime()\fR the default format is the same as \fB%+\fR.
62.\fBcftime()\fR and \fBascftime()\fR first try to use the value of the
63.environment variable \fBCFTIME\fR, and if that is undefined or empty, the
64.default format is used.
65.sp
66.LP
66.Each conversion specification is replaced by appropriate characters as
67.described in the following list. The appropriate characters are determined by
68.the \fBLC_TIME\fR category of the program's locale and by the values contained
69.in the structure pointed to by \fBt\fR for \fBstrftime()\fR and
70.\fBascftime()\fR, and by the time represented by \fBclock\fR for
71.\fBcftime()\fR.
72.sp
73.ne 2
74.na
75.\fB%B%\fR
76.ad
77.RS 6n
78.Same as \fB%\fR.
79.RE

81.sp
82.ne 2
83.na
84.\fB%Ba\fR
85.ad
86.RS 6n
87.Locale's abbreviated weekday name.
88.RE

90.sp
91.ne 2
92.na
93.\fB%BA\fR
94.ad
95.RS 6n
96.Locale's full weekday name.
97.RE

99.sp
100.ne 2
101.na
102.\fB%Bb\fR
103.ad
104.RS 6n
105.Locale's abbreviated month name.
106.RE

108.sp
109.ne 2
110.na
111.\fB%B%B\fR
112.ad
113.RS 6n
114.Locale's full month name.
115.RE

117.sp
118.ne 2
119.na
120.\fB%Bc\fR
121.ad

```

```

122 .RS 6n
123 Locale's appropriate date and time representation.
124 In the C locale, this format is:
125 .sp
126 .in +2
127 .nf
128 %a %b %e %H:%M:%S %Y
129 .fi
130 .in -2
131 .sp
132 Other locales may have different locale-specific formats.
133 .RE

135 .sp
136 .ne 2
137 .na
138 \fB\fB%C\fR\fR
139 .ad
140 .RS 6n
141 Century number (the year divided by 100 and truncated to an integer as a
142 decimal number [01,99]).
143 .RE

145 .sp
146 .ne 2
147 .na
148 \fB\fB%d\fR\fR
149 .ad
150 .RS 6n
151 Day of month [01,31].
152 .RE

154 .sp
155 .ne 2
156 .na
157 \fB\fB%D\fR\fR
158 .ad
159 .RS 6n
160 Date as \fB%m\fR/\fB%d\fR/\fB%y\fR.
161 .RE

163 .sp
164 .ne 2
165 .na
166 \fB\fB%e\fR\fR
167 .ad
168 .RS 6n
169 Day of month [1,31]; single digits are preceded by a space.
170 .RE

172 .sp
173 .ne 2
174 .na
175 \fB\fB%F\fR\fR
176 .ad
177 .RS 6n
178 Equivalent to \fB%Y\fR-\fB%m\fR-\fB%d\fR (the ISO 8601:2000 standard date
179 format).
180 .RE

182 .sp
183 .ne 2
184 .na
185 \fB\fB%g\fR\fR
186 .ad
187 .RS 6n

```

```

188 Week-based year within century [00,99].
189 .RE

191 .sp
192 .ne 2
193 .na
194 \fB\fB%G\fR\fR
195 .ad
196 .RS 6n
197 Week-based year, including the century [0000,9999].
198 .RE

200 .sp
201 .ne 2
202 .na
203 \fB\fB%h\fR\fR
204 .ad
205 .RS 6n
206 Locale's abbreviated month name.
207 .RE

209 .sp
210 .ne 2
211 .na
212 \fB\fB%H\fR\fR
213 .ad
214 .RS 6n
215 Hour (24-hour clock) [00,23].
216 .RE

218 .sp
219 .ne 2
220 .na
221 \fB\fB%I\fR\fR
222 .ad
223 .RS 6n
224 Hour (12-hour clock) [01,12].
225 .RE

227 .sp
228 .ne 2
229 .na
230 \fB\fB%j\fR\fR
231 .ad
232 .RS 6n
233 Day number of year [001,366].
234 .RE

236 .sp
237 .ne 2
238 .na
239 \fB\fB%k\fR\fR
240 .ad
241 .RS 6n
242 Hour (24-hour clock) [0,23]; single digits are preceded by a space.
243 .RE

245 .sp
246 .ne 2
247 .na
248 \fB\fB%l\fR\fR
249 .ad
250 .RS 6n
251 Hour (12-hour clock) [1,12]; single digits are preceded by a space.
252 .RE

```

```

254 .sp
255 .ne 2
256 .na
257 \fB\fB%m\fR\fR
258 .ad
259 .RS 6n
260 Month number [01,12].
261 .RE

263 .sp
264 .ne 2
265 .na
266 \fB\fB%M\fR\fR
267 .ad
268 .RS 6n
269 Minute [00,59].
270 .RE

272 .sp
273 .ne 2
274 .na
275 \fB\fB%n\fR\fR
276 .ad
277 .RS 6n
278 Insert a NEWLINE.
279 .RE

281 .sp
282 .ne 2
283 .na
284 \fB\fB%p\fR\fR
285 .ad
286 .RS 6n
287 Locale's equivalent of either a.m. or p.m.
288 .RE

290 .sp
291 .ne 2
292 .na
293 \fB\fB%r\fR\fR
294 .ad
295 .RS 6n
296 Appropriate time representation in 12-hour clock format with \fB%p\fR.
297 .RE

299 .sp
300 .ne 2
301 .na
302 \fB\fB%R\fR\fR
303 .ad
304 .RS 6n
305 Time as \fB%H\fR:\fB%M\fR.
306 .RE

308 .sp
309 .ne 2
310 .na
311 \fB\fB%s\fR\fR
312 .ad
313 .RS 6n
314 Seconds since 00:00:00 UTC, January 1, 1970.
315 .RE

317 .sp
318 .ne 2
319 .na

```

```

320 \fB\fB%S\fR\fR
321 .ad
322 .RS 6n
323 Seconds [00,60]; the range of values is [00,60] rather than [00,59] to allow
324 for the occasional leap second.
325 .RE

327 .sp
328 .ne 2
329 .na
330 \fB\fB%t\fR\fR
331 .ad
332 .RS 6n
333 Insert a TAB.
334 .RE

336 .sp
337 .ne 2
338 .na
339 \fB\fB%T\fR\fR
340 .ad
341 .RS 6n
342 Time as \fB%H\fR:\fB%M\fR:\fB%S\fR.
343 .RE

345 .sp
346 .ne 2
347 .na
348 \fB\fB%u\fR\fR
349 .ad
350 .RS 6n
351 Weekday as a decimal number [1,7], with 1 representing Monday. See \fBNOTES\fR
352 below.
353 .RE

355 .sp
356 .ne 2
357 .na
358 \fB\fB%U\fR\fR
359 .ad
360 .RS 6n
361 Week number of year as a decimal number [00,53], with Sunday as the first day
362 of week 1.
363 .RE

365 .sp
366 .ne 2
367 .na
368 \fB\fB%v\fR\fR
369 .ad
370 .RS 6n
371 Date as \fB%e\fR-\fB%b\fR-\fB%Y\fR.
372 .RE

374 .sp
375 .ne 2
376 .na
377 \fB\fB%V\fR\fR
378 .ad
379 .RS 6n
380 The ISO 8601 week number as a decimal number [01,53]. In the ISO 8601
381 week-based system, weeks begin on a Monday and week 1 of the year is the week
382 that includes both January 4th and the first Thursday of the year. If the
383 first Monday of January is the 2nd, 3rd, or 4th, the preceding days are part of
384 the last week of the preceding year. See \fBNOTES\fR below.
385 .RE

```

```

387 .sp
388 .ne 2
389 .na
390 \fB\fB%w\fR\fR
391 .ad
392 .RS 6n
393 Weekday as a decimal number [0,6], with 0 representing Sunday.
394 .RE

396 .sp
397 .ne 2
398 .na
399 \fB\fB%W\fR\fR
400 .ad
401 .RS 6n
402 Week number of year as a decimal number [00,53], with Monday as the first day
403 of week 1.
404 .RE

406 .sp
407 .ne 2
408 .na
409 \fB\fB%x\fR\fR
410 .ad
411 .RS 6n
412 Locale's appropriate date representation.
413 .RE

415 .sp
416 .ne 2
417 .na
418 \fB\fB%X\fR\fR
419 .ad
420 .RS 6n
421 Locale's appropriate time representation.
422 .RE

424 .sp
425 .ne 2
426 .na
427 \fB\fB%y\fR\fR
428 .ad
429 .RS 6n
430 Year within century [00,99].
431 .RE

433 .sp
434 .ne 2
435 .na
436 \fB\fB%Y\fR\fR
437 .ad
438 .RS 6n
439 Year, including the century (for example 1993).
440 .RE

442 .sp
443 .ne 2
444 .na
445 \fB\fB%z\fR\fR
446 .ad
447 .RS 6n
448 Replaced by offset from UTC in ISO 8601:2000 standard format (\fB+hhmm\fR or
449 \fB-hhmm\fR), or by no characters if no time zone is determinable. For example,
450 "-0430" means 4 hours 30 minutes behind UTC (west of Greenwich). If
451 \fBtm_isdst\fR is zero, the standard time offset is used. If \fBtm_isdst\fR is

```

```

452 greater than zero, the daylight savings time offset if used. If \fBtm_isdst\fR
453 is negative, no characters are returned.
454 .RE

456 .sp
457 .ne 2
458 .na
459 \fB\fB%Z\fR\fR
460 .ad
461 .RS 6n
462 Time zone name or abbreviation, or no bytes if no time zone information exists.
463 .RE

465 .sp
466 .ne 2
467 .na
468 \fB\fB%+\fR\fR
469 .ad
470 .RS 6n
471 Locale's date and time representation as produced by \fBdate\fR(1).
472 .RE

473 .sp
474 .LP
475 If a conversion specification does not correspond to any of the above or to any
476 of the modified conversion specifications listed below, the behavior is
477 undefined and \fB0\fR is returned.
478 .sp
478 .LP
479 The difference between \fB%U\fR and \fB%W\fR (and also between modified
480 conversion specifications \fB%OU\fR and \fB%OW\fR) lies in which day is counted
481 as the first of the week. Week number 1 is the first week in January starting
482 with a Sunday for \fB%U\fR or a Monday for \fB%W\fR. Week number 0 contains
483 those days before the first Sunday or Monday in January for \fB%U\fR and
484 \fB%W\fR, respectively.
485 .SS "Modified Conversion Specifications"
486 .LP
487 .sp
487 Some conversion specifications can be modified by the \fB%E\fR and \fB%O\fR
488 modifiers to indicate that an alternate format or specification should be used
489 rather than the one normally used by the unmodified conversion specification.
490 If the alternate format or specification does not exist in the current locale,
491 the behavior will be as if the unmodified specification were used.
492 .sp
493 .ne 2
494 .na
495 \fB\fB%Ec\fR\fR
496 .ad
497 .RS 7n
498 Locale's alternate appropriate date and time representation.
499 .RE

501 .sp
502 .ne 2
503 .na
504 \fB\fB%EC\fR\fR
505 .ad
506 .RS 7n
507 Name of the base year (period) in the locale's alternate representation.
508 .RE

510 .sp
511 .ne 2
512 .na
513 \fB\fB%Eg\fR\fR
514 .ad

```

```

515 .RS 7n
516 Offset from \fB%EC\fR of the week-based year in the locale's alternative
517 representation.
518 .RE

520 .sp
521 .ne 2
522 .na
523 \fB\fb%EG\fR\fR
524 .ad
525 .RS 7n
526 Full alternative representation of the week-based year.
527 .RE

529 .sp
530 .ne 2
531 .na
532 \fB\fb%Ex\fR\fR
533 .ad
534 .RS 7n
535 Locale's alternate date representation.
536 .RE

538 .sp
539 .ne 2
540 .na
541 \fB\fb%EX\fR\fR
542 .ad
543 .RS 7n
544 Locale's alternate time representation.
545 .RE

547 .sp
548 .ne 2
549 .na
550 \fB\fb%Ey\fR\fR
551 .ad
552 .RS 7n
553 Offset from \fB%EC\fR (year only) in the locale's alternate representation.
554 .RE

556 .sp
557 .ne 2
558 .na
559 \fB\fb%EY\fR\fR
560 .ad
561 .RS 7n
562 Full alternate year representation.
563 .RE

565 .sp
566 .ne 2
567 .na
568 \fB\fb%Od\fR\fR
569 .ad
570 .RS 7n
571 Day of the month using the locale's alternate numeric symbols.
572 .RE

574 .sp
575 .ne 2
576 .na
577 \fB\fb%Oe\fR\fR
578 .ad
579 .RS 7n
580 Same as \fB%Od\fR.

```

```

581 .RE

583 .sp
584 .ne 2
585 .na
586 \fB\fb%Og\fR\fR
587 .ad
588 .RS 7n
589 Week-based year (offset from \fB%C\fR) in the locale's alternate representation
590 and using the locale's alternate numeric symbols.
591 .RE

593 .sp
594 .ne 2
595 .na
596 \fB\fb%OH\fR\fR
597 .ad
598 .RS 7n
599 Hour (24-hour clock) using the locale's alternate numeric symbols.
600 .RE

602 .sp
603 .ne 2
604 .na
605 \fB\fb%OI\fR\fR
606 .ad
607 .RS 7n
608 Hour (12-hour clock) using the locale's alternate numeric symbols.
609 .RE

611 .sp
612 .ne 2
613 .na
614 \fB\fb%Om\fR\fR
615 .ad
616 .RS 7n
617 Month using the locale's alternate numeric symbols.
618 .RE

620 .sp
621 .ne 2
622 .na
623 \fB\fb%OM\fR\fR
624 .ad
625 .RS 7n
626 Minutes using the locale's alternate numeric symbols.
627 .RE

629 .sp
630 .ne 2
631 .na
632 \fB\fb%OS\fR\fR
633 .ad
634 .RS 7n
635 Seconds using the locale's alternate numeric symbols.
636 .RE

638 .sp
639 .ne 2
640 .na
641 \fB\fb%Ou\fR\fR
642 .ad
643 .RS 7n
644 Weekday as a number in the locale's alternate numeric symbols.
645 .RE

```

```

647 .sp
648 .ne 2
649 .na
650 \fB\fB%OU\fR\fR
651 .ad
652 .RS 7n
653 Week number of the year (Sunday as the first day of the week) using the
654 locale's alternate numeric symbols.
655 .RE

657 .sp
658 .ne 2
659 .na
660 \fB\fB%OW\fR\fR
661 .ad
662 .RS 7n
663 Number of the weekday (Sunday=0) using the locale's alternate numeric symbols.
664 .RE

666 .sp
667 .ne 2
668 .na
669 \fB\fB%OY\fR\fR
670 .ad
671 .RS 7n
672 Year (offset from \fB%C\fR) in the locale's alternate representation and using
673 locale's alternate numeric symbols.
674 .RE

676 .sp
677 .ne 2
678 .na
679 \fB\fB%Oy\fR\fR
680 .ad
681 .RS 7n
682 Year (offset from \fB%C\fR) in the locale's alternate representation and using
683 the locale's alternate numeric symbols.
684 .RE

686 .SS "Selecting the Output Language"
687 .LP
688 These routines produce output that is formatted according to the \fBLC_TIME\fR
689 locale category. They use either the current locale, or in the case of
690 \fBstrptime_l()\fR, the locale supplied by \fIloc\fR.
691 By default, the output of \fBstrptime()\fR, \fBcftime()\fR, and
692 \fBascftime()\fR appear in U.S. English. The user can request that the output
693 of \fBstrptime()\fR, \fBcftime()\fR, or \fBascftime()\fR be in a specific
694 language by setting the \fBLC_TIME\fR category using \fBsetlocale()\fR.
695 .SS "Time Zone"
696 .sp
697 .LP
698 Local time zone information is used as though \fBtzset\fR(3C) were called.
699 .SH RETURN VALUES
700 .sp
701 .LP
702 These functions return the
703 The \fBstrptime()\fR, \fBcftime()\fR, and \fBascftime()\fR functions return the
704 number of characters placed into the array pointed to by \fIis\fR, not including
705 the terminating null character. If the total number of resulting characters
706 including the terminating null character is more than \fImaxsize\fR,
707 \fBstrptime()\fR returns \fB0\fR and the contents of the array are
708 indeterminate.
709 .SH EXAMPLES
710 .LP
711 \fBExample 1 \fRAn example of the \fBstrptime()\fR function.

```

```

711 .sp
712 .LP
713 The following example illustrates the use of \fBstrptime()\fR for the
714 \fBPOSIX\fR locale. It shows what the string in \fIstr\fR would look like if
715 the structure pointed to by \fItmptr\fR contains the values corresponding to
716 Thursday, August 28, 1986 at 12:44:36.

718 .sp
719 .in +2
720 .nf
721 .IP
722 \fBstrptime()\fR(\fIstr\fR, \fIstrsize\fR, "%A %b %d %j", \fItmptr\fR);
723 \fBstrptime(str, strsize, "%A %b %d %j", tmptr)\fR
724 .fi
725 .in -2

727 .sp
728 .LP
729 This results in \fIstr\fR containing "Thursday Aug 28 240".

731 .SH ATTRIBUTES
732 .sp
733 .LP
734 See \fBattributes\fR(5) for descriptions of the following attributes:
735 .sp

737 .sp
738 .TS
739 box;
740 c | c
741 l | l .
742 ATTRIBUTE TYPE ATTRIBUTE VALUE
743 -
744 CSI Enabled
745 -
746 Interface Stability See below.
747 Interface Stability Committed
748 -
749 MT-Level MT-Safe
750 -
751 Standard See below.
752 .TE

754 .sp
755 .LP
756 The \fBstrptime()\fR and \fBstrptime_l()\fR functions are Standard.
757 \fBcftime()\fR and \fBascftime()\fR functions are Committed.
758 .LP
759 For \fBstrptime()\fR and \fBstrptime_l()\fR, see \fBstandards\fR(5).
760 For \fBstrptime()\fR, see \fBstandards\fR(5).
761 .SH SEE ALSO
762 .sp
763 .LP
764 \fBdate\fR(1), \fBctime\fR(3C), \fBmktime\fR(3C),
765 \fBnewlocale\fR(3C), \fBsetlocale\fR(3C), \fBstrptime\fR(3C), \fBtzset\fR(3C),
766 \fBuselocale\fR(3C), \fBTIMEZONE\fR(4), \fBzoneinfo\fR(4),
767 \fBdate\fR(1), \fBctime\fR(3C), \fBmktime\fR(3C), \fBsetlocale\fR(3C),
768 \fBstrptime\fR(3C), \fBtzset\fR(3C), \fBTIMEZONE\fR(4), \fBzoneinfo\fR(4),
769 \fBattributes\fR(5), \fBenviron\fR(5), \fBstandards\fR(5)
770 .SH NOTES
771 .sp
772 .LP
773 The conversion specification for \fB%V\fR was changed in the Solaris 7 release.
774 This change was based on the public review draft of the ISO C9x standard at
775 that time. Previously, the specification stated that if the week containing 1
776 January had fewer than four days in the new year, it became week 53 of the

```

751 previous year. The ISO C9x standard committee subsequently recognized that that  
752 specification had been incorrect.  
769 .sp  
753 .LP  
754 The conversion specifications for `\fB%g`, `\fB%G`, `\fB%Eg`, `\fB%EG`, and  
755 `\fB%Og` were added in the Solaris 7 release. This change was based on the  
756 **public review draft of the ISO C9x standard at that time. The `\fB%g` and**  
757 **`\fB%G` specifications were adopted in the formal standard. The other two**  
758 **were not, and should not be used in portable applications.**  
773 *public review draft of the ISO C9x standard at that time. These specifications*  
774 *are evolving. If the ISO C9x standard is finalized with a different*  
775 *conclusion, these specifications will change to conform to the ISO C9x standard*  
776 *decision.*  
777 .sp  
759 .LP  
760 The conversion specification for `\fB%u` was changed in the Solaris 8 release.  
761 This change was based on the XPG4 specification.  
781 .sp  
762 .LP  
763 If using the `\fB%Z` specifier and `\fBzoneinfo` timezones and if the input  
764 date is outside the range 20:45:52 UTC, December 13, 1901 to 03:14:07 UTC,  
765 January 19, 2038, the timezone name may not be correct.  
786 .sp  
766 .LP  
767 The conversion specification for `\fB%+` was added in illumos.  
768 It is not part of any standard, although it is available on a number  
769 of other platforms.  
770 Its use is discouraged for conforming applications.



```

*****
21323 Sun Jun 29 11:52:22 2014
new/usr/src/man/man3c/string.3c
Garrett's man page edits.
*****
1  \" te
2  .\" Copyright 2014 Garrett D'Amore <garrett@damore.org>
3  .\" Copyright (c) 2008, Sun Microsystems, Inc. All Rights Reserved.
4  .\" Copyright 1989 AT&T
5  .\" Portions Copyright (c) 1994 Man-cgi 1.15, Panagiotis Christias (christia@sof
6  .\" Portions Copyright (c) 1996-2008 Modified for NetBSD by Kimmo Suominen (kimm
7  .\" Portions Copyright (c) 1992, X/Open Company Limited. All Rights Reserved.
8  .\" Sun Microsystems, Inc. gratefully acknowledges The Open Group for permission
9  .\" http://www.opengroup.org/bookstore/.
10 .\" The Institute of Electrical and Electronics Engineers and The Open Group, ha
11 .\" This notice shall appear on any product containing this material.
12 .\" The contents of this file are subject to the terms of the Common Development
13 .\" You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE or http:
14 .\" When distributing Covered Code, include this CDDL HEADER in each file and in
15 .TH STRING 3C \"Jun 21, 2013\"
14 .TH STRING 3C \"Jun 19, 2013\"
16 .SH NAME
17 string, strcasecmp, strcasecmp_l, strncasecmp, strncasecmp_l, strcat, strncat,
18 strlcat, strchr, strrchr,
16 string, strcasecmp, strcasecmp_l, strncasecmp, strncasecmp_l, strcat, strncat, s
19 strcasecmp, strncmp, strcpy, strncpy, strlcpy, strcspn, strspn, strdup, strlen,
20 strlen, strpbrk, strsep, strstr, strtok, strtok_r \- string operations
21 .SH SYNOPSIS
22 .LP
23 .nf
24 #include <strings.h>

26 \fBint\fR \fBstrcasecmp\fR(\fBconst char *\fR\fI1\fR, \fBconst char *\fR\fI2\fR
27 .fi

28 .LP
29 .nf
30 \fBint\fR \fBstrcasecmp_l\fR(\fBconst char *\fR\fI1\fR, \fBconst char *\fR\fI2
31 .fi

32 .LP
33 .nf
34 \fBint\fR \fBstrncasecmp\fR(\fBconst char *\fR\fI1\fR, \fBconst char *\fR\fI2\
35 .fi

36 .LP
37 .nf
38 \fBint\fR \fBstrncasecmp_l\fR(\fBconst char *\fR\fI1\fR, \fBconst char *\fR\fI
39 .fi

40 .LP
41 .nf
42 #include <string.h>

44 \fBchar *\fR \fBstrcat\fR(\fBchar *restrict\fR \fI1\fR, \fBconst char *restrict\
45 .fi

46 .LP
47 .nf
48 \fBchar *\fR \fBstrncat\fR(\fBchar *restrict\fR \fI1\fR, \fBconst char *restrict
49 .fi

50 .LP
51 .nf
52 \fBsize_t\fR \fBstrlcat\fR(\fBchar *\fR\fI1\fR, \fBconst char *\fR\fIsrc\fR, \
53 .fi

```

```

54 .LP
55 .nf
56 \fBchar *\fR \fBstrchr\fR(\fBconst char *\fR\fI1\fR, \fBint\fR \fIc\fR);
57 .fi

58 .LP
59 .nf
60 \fBchar *\fR \fBstrrchr\fR(\fBconst char *\fR\fI1\fR, \fBint\fR \fIc\fR);
61 .fi

62 .LP
63 .nf
64 \fBint\fR \fBstrcmp\fR(\fBconst char *\fR\fI1\fR, \fBconst char *\fR\fI2\fR);
65 .fi

66 .LP
67 .nf
68 \fBint\fR \fBstrncmp\fR(\fBconst char *\fR\fI1\fR, \fBconst char *\fR\fI2\fR,
69 .fi

70 .LP
71 .nf
72 \fBchar *\fR \fBstrcpy\fR(\fBchar *restrict\fR \fI1\fR, \fBconst char *restrict\
73 .fi

74 .LP
75 .nf
76 \fBchar *\fR \fBstrncpy\fR(\fBchar *restrict\fR \fI1\fR, \fBconst char *restrict
77 .fi

78 .LP
79 .nf
80 \fBsize_t\fR \fBstrlcpy\fR(\fBchar *\fR\fI1\fR, \fBconst char *\fR\fIsrc\fR, \
81 .fi

82 .LP
83 .nf
84 \fBsize_t\fR \fBstrcspn\fR(\fBconst char *\fR\fI1\fR, \fBconst char *\fR\fI2\
85 .fi

86 .LP
87 .nf
88 \fBsize_t\fR \fBstrspn\fR(\fBconst char *\fR\fI1\fR, \fBconst char *\fR\fI2\
89 .fi

90 .LP
91 .nf
92 \fBchar *\fR \fBstrdup\fR(\fBconst char *\fR\fI1\fR);
93 .fi

94 .LP
95 .nf
96 \fBsize_t\fR \fBstrlen\fR(\fBconst char *\fR\fI1\fR);
97 .fi

98 .LP
99 .nf
100 \fBsize_t\fR \fBstrnlen\fR(\fBconst char *\fR\fI1\fR, \fBsize_t\fR \fIn\fR);
101 .fi

102 .LP
103 .nf
104 \fBchar *\fR \fBstrpbrk\fR(\fBconst char *\fR\fI1\fR, \fBconst char *\fR\fI2\
105 .fi

```

```

106 .LP
107 .nf
108 \fBchar *\fR\fBstrsep\fR(\fBchar **\fR\fIstringp\fR, \fBconst char *\fR\fIdelim\
109 .fi

110 .LP
111 .nf
112 \fBchar *\fR\fBstrstr\fR(\fBconst char *\fR\fIs1\fR, \fBconst char *\fR\fIs2\fR)
113 .fi

114 .LP
115 .nf
116 \fBchar *\fR\fBstrtok\fR(\fBchar *restrict\fR \fIs1\fR, \fBconst char *restrict\
117 .fi

118 .LP
119 .nf
120 \fBchar *\fR\fBstrtok_r\fR(\fBchar *restrict\fR \fIs1\fR, \fBconst char *restric
121 \fBchar **restrict\fR \fIlasts\fR);
122 .fi

123 .SS "ISO C++"
124 .LP
125 .nf
126 #include <string.h>

128 \fBconst char *\fR\fBstrchr\fR(\fBconst char *\fR\fIs\fR, \fBint\fR \fIc\fR);
129 .fi

130 .LP
131 .nf
132 \fBconst char *\fR\fBstrpbrk\fR(\fBconst char *\fR\fIs1\fR, \fBconst char *\fR\f
133 .fi

134 .LP
135 .nf
136 \fBconst char *\fR\fBstrrchr\fR(\fBconst char *\fR\fIs\fR, \fBint\fR \fIc\fR);
137 .fi

138 .LP
139 .nf
140 \fBconst char *\fR\fBstrstr\fR(\fBconst char *\fR\fIs1\fR, \fBconst char *\fR\fI
141 .fi

142 .LP
143 .nf
144 #include <cstring>

146 \fBchar *std::\fR\fBstrchr\fR(\fBchar *\fR\fIs\fR, \fBint\fR \fIc\fR);
147 .fi

148 .LP
149 .nf
150 \fBchar *std::\fR\fBstrpbrk\fR(\fBchar *\fR\fIs1\fR, \fBconst char *\fR\fIs2\fR)
151 .fi

152 .LP
153 .nf
154 \fBchar *std::\fR\fBstrrchr\fR(\fBchar *\fR\fIs\fR, \fBint\fR \fIc\fR);
155 .fi

156 .LP
157 .nf
158 \fBchar *std::\fR\fBstrstr\fR(\fBchar *\fR\fIs1\fR, \fBconst char *\fR\fIs2\fR);
159 .fi

```

```

160 .SH DESCRIPTION
161 .sp
162 .LP
163 The arguments \fIs\fR, \fIs1\fR, and \fIs2\fR point to strings (arrays of
164 characters terminated by a null character). The \fBstrcat()\fR,
165 \fBstrncat()\fR, \fBstrlcat()\fR, \fBstrcpy()\fR, \fBstrncpy()\fR,
166 \fBstrncpy()\fR, \fBstrsep()\fR, \fBstrtok()\fR, and \fBstrtok_r()\fR functions
167 all alter their first argument. Additionally, the \fBstrcat()\fR and
168 \fBstrcpy()\fR functions do not check for overflow of the array.
169 .SS "\fBstrcasecmp()\fR, \fBstrncasecmp()\fR"
170 .sp
171 .LP
172 The \fBstrcasecmp()\fR and \fBstrncasecmp()\fR functions are case-insensitive
173 versions of \fBstrcmp()\fR and \fBstrncmp()\fR respectively, described below.
174 .LP
175 The \fBstrcasecmp()\fR and \fBstrncasecmp()\fR functions compare two strings
176 byte-by-byte, after
177 converting each upper-case character to lower-case (as determined by the
178 \fBLC_CTYPE\fR category of the current locale). Note that neither the contents
179 pointed to by \fIs1\fR nor \fIs2\fR are modified.
180 .LP
181 The functions return an integer
182 greater than, equal to, or less than 0, if the string pointed to by \fIs1\fR
183 is greater than, equal to, or less than the string pointed to by \fIs2\fR
184 respectively. The sign of a non-zero return value is determined by the sign of
185 the difference between the values of the first pair of bytes that differ in the
186 string.
187 .LP
188 The \fBstrcasecmp()\fR function examines at most \fIn\fR bytes from each
189 string.
190 They assume the \fBASCII\fR character set and ignore differences in case when
191 comparing lower and upper case characters.
192 .SS "\fBstrcasecmp_l()\fR, \fBstrncasecmp_l()\fR"
193 .sp
194 .LP
195 The \fBstrcasecmp_l()\fR and \fBstrncasecmp_l()\fR functions behave identically
196 to \fBstrcasecmp()\fR and \fBstrncasecmp()\fR, except instead of operating in
197 the current locale, they instead operate in the locale specified by \fIloc\fR.
198 .SS "\fBstrcat()\fR, \fBstrncat()\fR, \fBstrlcat()\fR"
199 .sp
200 .LP
201 The \fBstrcat()\fR function appends a copy of string \fIs2\fR, including the
202 terminating null character, to the end of string \fIs1\fR. The \fBstrncat()\fR
203 function appends at most \fIn\fR characters. Each returns a pointer to the
204 null-terminated result. The initial character of \fIs2\fR overrides the null
205 character at the end of \fIs1\fR. If copying takes place between objects that
206 overlap, the behavior of \fBstrcat()\fR, \fBstrncat()\fR, and \fBstrlcat()\fR
207 is undefined.
208 .sp
209 .LP
210 The \fBstrlcat()\fR function appends at most
211 (\fIdstsize\fR-\fBstrlen\fR(\fIdst\fR)-1) characters of \fIsrc\fR to \fIdst\fR
212 (\fIdstsize\fR being the size of the string buffer \fIdst\fR). If the string
213 pointed to by \fIdst\fR contains a null-terminated string that fits into
214 \fIdstsize\fR bytes when \fBstrlcat()\fR is called, the string pointed to by
215 \fIdst\fR will be a null-terminated string that fits in \fIdstsize\fR bytes
216 (including the terminating null character) when it completes, and the initial
217 character of \fIsrc\fR will override the null character at the end of
218 \fIdst\fR. If the string pointed to by \fIdst\fR is longer than \fIdstsize\fR
219 bytes when \fBstrlcat()\fR is called, the string pointed to by \fIdst\fR will
220 not be changed. The function returns
221 \fBmin\fR{\fIdstsize\fR,\fBstrlen\fR(\fIdst\fR)}+\fBstrlen\fR(\fIsrc\fR).
222 Buffer overflow can be checked as follows:
223 .sp
224 .in +2
225 .nf
226 if (strlcat(dst, src, dstsize) >= dstsize)

```

```

220         return \(\mil;
221 .fi
222 .in -2

223 .SS "\fBstrchr()\fR, \fBstrrchr()\fR"
224 .sp
225 The \fBstrchr()\fR function returns a pointer to the first occurrence of
226 \fIc\fR (converted to a \fBchar\fR) in string \fIs\fR, or a null pointer if
227 \fIc\fR does not occur in the string. The \fBstrrchr()\fR function returns a
228 pointer to the last occurrence of \fIc\fR. The null character terminating a
229 string is considered to be part of the string.
230 .SS "\fBstrcmp()\fR, \fBstrncmp()\fR"
231 .sp
232 The \fBstrcmp()\fR function compares two strings byte-by-byte, according to the
233 ordering of your machine's character set. The function returns an integer
234 greater than, equal to, or less than 0, if the string pointed to by \fIs1\fR
235 is greater than, equal to, or less than the string pointed to by \fIs2\fR
236 respectively. The sign of a non-zero return value is determined by the sign of
237 the difference between the values of the first pair of bytes that differ in the
238 strings being compared. The \fBstrncmp()\fR function makes the same comparison
239 but looks at a maximum of \fIn\fR bytes. Bytes following a null byte are not
240 compared.
241 .SS "\fBstrcpy()\fR, \fBstrncpy()\fR, \fBstrncpy()\fR"
242 .sp
243 The \fBstrcpy()\fR function copies string \fIs2\fR to \fIs1\fR, including the
244 terminating null character, stopping after the null character has been copied.
245 The \fBstrncpy()\fR function copies exactly \fIn\fR bytes, truncating \fIs2\fR
246 or adding null characters to \fIs1\fR if necessary. The result will not be
247 null-terminated if the length of \fIs2\fR is \fIn\fR or more. Each function
248 returns \fIs1\fR. If copying takes place between objects that overlap, the
249 behavior of \fBstrcpy()\fR, \fBstrncpy()\fR, and \fBstrncpy()\fR is undefined.
250 .sp
251 The \fBstrncpy()\fR function copies at most \fIdstsize\fR(\mil characters
252 (\fIdstsize\fR being the size of the string buffer \fIdst\fR) from \fIsrc\fR
253 to \fIdst\fR, truncating \fIsrc\fR if necessary. The result is always
254 null-terminated. The function returns \fBstrlen\fR(\fIsrc\fR). Buffer overflow
255 can be checked as follows:
256 .sp
257 .in +2
258 .nf
259 if (strlen(dst, src, dstsize) >= dstsize)
260     return \(\mil;
261 .fi
262 .in -2

264 .SS "\fBstrcspn()\fR, \fBstrcspn()\fR"
265 .sp
266 The \fBstrcspn()\fR function returns the length of the initial segment of
267 string \fIs1\fR that consists entirely of characters not from string \fIs2\fR.
268 The \fBstrspn()\fR function returns the length of the initial segment of string
269 \fIs1\fR that consists entirely of characters from string \fIs2\fR.
270 .SS "\fBstrdup()\fR"
271 .sp
272 The \fBstrdup()\fR function returns a pointer to a new string that is a
273 duplicate of the string pointed to by \fIs1\fR. The returned pointer can be
274 passed to \fBfree()\fR. The space for the new string is obtained using
275 \fBmalloc\fR(3C). If the new string cannot be created, a null pointer is
276 returned and \fBerrno\fR may be set to \fBENOMEM\fR to indicate that the
277 storage space available is insufficient.
278 .SS "\fBstrlen()\fR, \fBstrlen()\fR"

```

```

279 .sp
280 The \fBstrlen()\fR function returns the number of bytes in \fIs\fR, not
281 including the terminating null character.
282 .sp
283 The \fBstrnlen()\fR function returns the smaller of \fIn\fR or the number of
284 bytes in \fIs\fR, not including the terminating null character. The
285 \fBstrnlen()\fR function never examines more than \fIn\fR bytes of the string
286 pointed to by \fIs\fR.
287 .SS "\fBstrpbrk()\fR"
288 .sp
289 The \fBstrpbrk()\fR function returns a pointer to the first occurrence in
290 string \fIs1\fR of any character from string \fIs2\fR, or a null pointer if no
291 character from \fIs2\fR exists in \fIs1\fR.
292 .SS "\fBstrsep()\fR"
293 .sp
294 The \fBstrsep()\fR function locates, in the null-terminated string referenced
295 by *\fIstringp\fR, the first occurrence of any character in the string
296 \fIdelim\fR (or the terminating '\e0' character) and replaces it with a '\e0'.
297 The location of the next character after the delimiter character (or
298 \fINULL\fR, if the end of the string was reached) is stored in *\fIstringp\fR.
299 The original value of *\fIstringp\fR is returned.
300 .sp
301 An 'empty' field (one caused by two adjacent delimiter characters) can be
302 detected by comparing the location referenced by the pointer returned by
303 \fBstrsep()\fR to '\e0'.
304 .sp
305 If *\fIstringp\fR is initially \fINULL\fR, \fBstrsep()\fR returns \fINULL\fR.
306 .SS "\fBstrstr()\fR"
307 .sp
308 The \fBstrstr()\fR function locates the first occurrence of the string \fIs2\fR
309 (excluding the terminating null character) in string \fIs1\fR and returns a
310 pointer to the located string, or a null pointer if the string is not found. If
311 \fIs2\fR points to a string with zero length (that is, the string \fB"\fR),
312 the function returns \fIs1\fR.
313 .SS "\fBstrtok()\fR"
314 .sp
315 A sequence of calls to \fBstrtok()\fR breaks the string pointed to by \fIs1\fR
316 into a sequence of tokens, each of which is delimited by a byte from the string
317 pointed to by \fIs2\fR. The first call in the sequence has \fIs1\fR as its
318 first argument, and is followed by calls with a null pointer as their first
319 argument. The separator string pointed to by \fIs2\fR can be different from
320 call to call.
321 .sp
322 The first call in the sequence searches the string pointed to by \fIs1\fR for
323 the first byte that is not contained in the current separator string pointed to
324 by \fIs2\fR. If no such byte is found, then there are no tokens in the string
325 pointed to by \fIs1\fR and \fBstrtok()\fR returns a null pointer. If such a
326 byte is found, it is the start of the first token.
327 .sp
328 The \fBstrtok()\fR function then searches from there for a byte that is
329 contained in the current separator string. If no such byte is found, the
330 current token extends to the end of the string pointed to by \fIs1\fR, and
331 subsequent searches for a token return a null pointer. If such a byte is found,
332 it is overwritten by a null byte that terminates the current token. The
333 \fBstrtok()\fR function saves a pointer to the following byte in
334 thread-specific data, from which the next search for a token starts.

```

```

373 .sp
375 .LP
376 Each subsequent call, with a null pointer as the value of the first argument,
377 starts searching from the saved pointer and behaves as described above.
378 .sp
379 .LP
380 See Example 1, 2, and 3 in the \fBEXAMPLES\fR section for examples of
381 \fBstrtok()\fR usage and the explanation in \fBNOTES\fR.
382 .SS "\fBstrtok_r()\fR"
383 .sp
384 .LP
385 The \fBstrtok_r()\fR function considers the null-terminated string \fIstr\fR as
386 a sequence of zero or more text tokens separated by spans of one or more
387 characters from the separator string \fIsep\fR. The argument \fIlasts\fR points
388 to a user-provided pointer which points to stored information necessary for
389 \fBstrtok_r()\fR to continue scanning the same string.
390 .sp
391 .LP
392 In the first call to \fBstrtok_r()\fR, \fIstr\fR points to a null-terminated
393 string, \fIsep\fR to a null-terminated string of separator characters, and the
394 value pointed to by \fIlasts\fR is ignored. The \fBstrtok_r()\fR function
395 returns a pointer to the first character of the first token, writes a null
396 character into \fIstr\fR immediately following the returned token, and updates
397 the pointer to which \fIlasts\fR points.
398 .sp
399 .LP
400 In subsequent calls, \fIstr\fR is a null pointer and \fIlasts\fR is unchanged
401 from the previous call so that subsequent calls move through the string
402 \fIstr\fR, returning successive tokens until no tokens remain. The separator
403 string \fIsep\fR can be different from call to call. When no token remains in
404 \fIstr\fR, a null pointer is returned.
405 .sp
406 .LP
407 See Example 3 in the \fBEXAMPLES\fR section for an example of \fBstrtok_r()\fR
408 usage and the explanation in \fBNOTES\fR.
409 .SH EXAMPLES
410 .LP
411 \fBExample 1 \fRSearch for word separators.
412 .sp
413 .LP
414 The following example searches for tokens separated by space characters.
415
416 .sp
417 .in +2
418 .nf
419 #include <string.h>
420 \&...
421 char *token;
422 char line[] = "LINE TO BE SEPARATED";
423 char *search = " ";
424
425 /* Token will point to "LINE". */
426 token = strtok(line, search);
427
428 /* Token will point to "TO". */
429 token = strtok(NULL, search);
430 .fi
431 .in -2
432
433 .LP
434 \fBExample 2 \fRBreak a Line.
435 .sp
436 .LP
437 The following example uses strtok to break a line into two character strings
438 separated by any combination of SPACES, TABS, or NEWLINES.

```

```

393 .sp
394 .in +2
395 .nf
396 #include <string.h>
397 \&...
398 struct element {
399     char *key;
400     char *data;
401 };
402 \&...
403 char line[LINE_MAX];
404 char *key, *data;
405 \&...
406 key = strtok(line, "\n");
407 data = strtok(NULL, "\n");
408 .fi
409 .in -2
410
411 .LP
412 \fBExample 3 \fRSearch for tokens.
413 .sp
414 .LP
415 The following example uses both \fBstrtok()\fR and \fBstrtok_r()\fR to search
416 for tokens separated by one or more characters from the string pointed to by
417 the second argument, "\fR".
418
419 .sp
420 .in +2
421 .nf
422 #define __EXTENSIONS__
423 #include <stdio.h>
424 #include <string.h>
425
426 int
427 main() {
428     char *buf="5/90/45";
429     char *token;
430     char *lasts;
431
432     printf("tokenizing \e%s\e" with strtok():\en", buf);
433     if ((token = strtok(buf, "/")) != NULL) {
434         printf("token = %s\e\n", token);
435         while ((token = strtok(NULL, "/")) != NULL) {
436             printf("token = \e%s\e\n", token);
437         }
438
439     buf = "//5//90//45//";
440     printf("\entokenizing \e%s\e" with strtok_r():\en", buf);
441     if ((token = strtok_r(buf, "/", &lasts)) != NULL) {
442         printf("token = \e%s\e\n", token);
443         while ((token = strtok_r(NULL, "/", &lasts)) != NULL) {
444             printf("token = \e%s\e\n", token);
445         }
446     }
447 }
448 .fi
449 .in -2
450
451 .sp
452 .LP
453 When compiled and run, this example produces the following output:
454
455 .sp
456 .in +2
457 .nf

```

```

457 tokenizing "5/90/45" with \fBstrtok()\fR:
458 token = "5"
459 token = "90"
460 token = "45"

462 tokenizing "//5/90//45//" with \fBstrtok_r()\fR:
463 token = "5"
464 token = "90"
465 token = "45"
466 .fi
467 .in -2

469 .SH ATTRIBUTES
518 .sp
470 .LP
471 See \fBattributes\fR(5) for descriptions of the following attributes:
521 .sp

523 .sp
472 .TS
473 box;
474 c | c
475 l | l .
476 ATTRIBUTE TYPE      ATTRIBUTE VALUE
477 -
478 Interface Stability      See below.
530 Interface Stability      Committed
479 -
480 MT-Level             See below.
481 -
482 Standard             See below.
483 .TE

537 .sp
485 .LP
486 The
487 \fBstrlcat()\fR, \fBstrncpy()\fR, and \fBstrsep()\fR functions are Committed.
488 All the rest are Standard.
489 .LP
490 The \fBstrtok()\fR and \fBstrdup()\fR functions are MT-Safe. The remaining
491 functions are Async-Signal-Safe.
541 .sp
492 .LP
493 For all except \fBstrlcat()\fR, \fBstrncpy()\fR, and \fBstrsep()\fR, see
494 \fBstandards\fR(5).
495 .SH SEE ALSO
546 .sp
496 .LP
497 \fBmalloc\fR(3C),
498 \fBnewlocale(3C), \fBsetlocale\fR(3C), \fBstrxfrm\fR(3C), \fBuselocale\fR(3C),
499 \fBattributes\fR(5), \fBstandards\fR(5)
548 \fBmalloc\fR(3C), \fBsetlocale\fR(3C), \fBstrxfrm\fR(3C), \fBattributes\fR(5),
549 \fBstandards\fR(5)
500 .SH NOTES
551 .sp
501 .LP
502 When compiling multithreaded applications, the \fB_REENTRANT\fR flag must be
503 defined on the compile line. This flag should only be used in multithreaded
504 applications.
556 .sp
505 .LP
506 A single-threaded application can gain access to \fBstrtok_r()\fR only by
507 defining \fB__EXTENSIONS_\fR or by defining \fB_POSIX_C_SOURCE\fR to a value
508 greater than or equal to 199506L.
561 .sp
509 .LP

```

```

510 Except where noted otherwise, all of these functions assume the default
511 locale ``C.`` For some locales,
563 All of these functions assume the default locale ``C.`` For some locales,
512 \fBstrxfrm\fR(3C) should be applied to the strings before they are passed to
513 the functions.
566 .sp
514 .LP
515 The \fBstrtok()\fR function is safe to use in multithreaded applications
516 because it saves its internal state in a thread-specific data area. However,
517 its use is discouraged, even for single-threaded applications. The
518 \fBstrtok_r()\fR function should be used instead.
572 .sp
519 .LP
520 Do not pass the address of a character string literal as the argument \fBis1\fR
521 to either \fBstrtok()\fR or \fBstrtok_r()\fR. Similarly, do not pass a pointer
522 to the address of a character string literal as the argument \fBistringp\fR to
523 \fBstrsep()\fR. These functions can modify the storage pointed to by \fBis1\fR
524 in the case of \fBstrtok()\fR and \fBstrtok_r()\fR or *\fBistringp\fR in the
525 case of \fBstrsep()\fR. The C99 standard specifies that attempting to modify
526 the storage occupied by a string literal results in undefined behavior. This
527 allows compilers (including \fBgcc\fR and the Sun Studio compilers when the
528 \fB-xstrconst\fR flag is used) to place string literals in read-only memory.
529 Note that in Example 1 above, this problem is avoided because the variable
530 \fBiline\fR is declared as a writable array of type \fBbchar\fR that is
531 initialized by a string literal rather than a pointer to \fBbchar\fR that points
532 to a string literal.

```

\*\*\*\*\*

16937 Sun Jun 29 11:52:22 2014

new/usr/src/man/man3c/strptime.3c

Garrett's man page edits.

\*\*\*\*\*

```

1 \" te
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10.\" When distributing Covered Code, include this CDDL HEADER in each file and in
11.\" STRPTIME 3C "Jun 27, 2014"
12.\" STRPTIME 3C "Aug 27, 2007"
13.\" SH NAME
14.\" strptime, strptime_l \- date and time conversion
15.\" SH SYNOPSIS
16.\" LP
17.\" nf
18.\" #include <time.h>
19.\" \fBchar *fR\fBstrptime\fR(\fBconst char *restrict\fR \fIbuf\fR,
20.\" \fBconst char *restrict\fR \fIformat\fR, \fBstruct tm *restrict\fR \fIitm\fR
21.\" .fi
22.\" .LP
23.\" .nf
24.\" #include <time.h>
25.\" #include <xlocale.h>

27.\" \fBchar *fR\fBstrptime_l\fR(\fBconst char *restrict\fR \fIbuf\fR,
28.\" \fBconst char *restrict\fR \fIformat\fR, \fBstruct tm *restrict\fR \fIitm\fR
29.\" \fBlocale_t\fR \fIloc\fR);
30.\" .fi

31.\" .SS "Non-zeroing Behavior"
32.\" .LP
33.\" .nf
34.\" \fBcc\fR [\fIflag\fR...] \fIfile\fR... \fB-D_STRPTIME_DONTZERO\fR [\fIlibrary\fR
35.\" #include <time.h>

37.\" \fBchar *fR\fBstrptime\fR(\fBconst char *restrict\fR \fIbuf\fR,
38.\" \fBconst char *restrict\fR \fIformat\fR, \fBstruct tm *restrict\fR \fIitm\fR
39.\" .fi

41.\" .SH DESCRIPTION
42.\" .sp
43.\" .LP
44.\" The \fBstrptime()\fR function converts the character string pointed to by
45.\" \fIbuf\fR to values which are stored in the \fBtm\fR structure pointed to by
46.\" \fIitm\fR, using the format specified by \fIformat\fR. The \fBstrptime_l()\fR
47.\" function is identical to \fBstrptime()\fR except instead of acting in the
48.\" current locale, it acts in the locale specified by the argument \fIloc\fR.
49.\" .sp
50.\" .LP
51.\" The \fIformat\fR argument is composed of zero or more conversion
52.\" specifications. Each conversion specification is composed of a "%" (percent)
53.\" character followed by one or two conversion characters which specify the
54.\" replacement required. One or more white space characters (as specified by
55.\" \fBisspace\fR(3C)) may precede or follow a conversion specification. There must
56.\" be white-space or other non-alphanumeric characters between any two conversion
57.\" specifications.
58.\" .sp
59.\" .LP

```

57 A non-zeroing version of \fBstrptime()\fR, described below under \fBNon-zeroing

58 Behavior\fR, is provided if \fB\_STRPTIME\_DONTZERO\fR is defined.

59 **.SS** "Conversion Specifications"

60 **.sp**

61 **.LP**

62 The following conversion specifications are supported:

63 **.sp**

64 **.ne** 2

65 **.na**

66 \fB\fB%\fR\fR

67 **.ad**

68 **.RS** 6n

69 Same as \fB%\fR.

70 **.RE**

71 **.sp**

72 **.ne** 2

73 **.na**

74 \fB\fB%\fR\fR

75 **.ad**

76 **.RS** 6n

77 Day of week, using the locale's weekday names; either the abbreviated or full

78 name may be specified.

79 **.RE**

81 **.sp**

82 **.ne** 2

83 **.na**

84 \fB\fB%\fR\fR

85 **.ad**

86 **.RS** 6n

87 Same as \fB%\fR.

88 **.RE**

90 **.sp**

91 **.ne** 2

92 **.na**

93 \fB\fB%\fR\fR

94 **.ad**

95 **.RS** 6n

96 Month, using the locale's month names; either the abbreviated or full name may

97 be specified.

98 **.RE**

100 **.sp**

101 **.ne** 2

102 **.na**

103 \fB\fB%\fR\fR

104 **.ad**

105 **.RS** 6n

106 Same as \fB%\fR.

107 **.RE**

109 **.sp**

110 **.ne** 2

111 **.na**

112 \fB\fB%\fR\fR

113 **.ad**

114 **.RS** 6n

115 Locale's appropriate date and time representation.

116 **.RE**

118 **.sp**

119 **.ne** 2

120 **.na**

121 \fB\fB%\fR\fR

```

122 .ad
123 .RS 6n
124 Century number (the year divided by 100 and truncated to an integer as a
125 decimal number [1,99]); single digits are preceded by 0. If \fB%C\fR is used
126 without the \fB%y\fR specifier, \fBstrptime()\fR assumes the year offset is
127 zero in whichever century is specified. Note the behavior of \fB%C\fR in the
128 absence of \fB%y\fR is not specified by any of the standards or specifications
129 described on the \fBstandards\fR(5) manual page, so portable applications
130 should not depend on it. This behavior may change in a future release.
131 .RE

```

```

133 .sp
134 .ne 2
135 .na
136 \fB\fB%d\fR\fR
137 .ad
138 .RS 6n
139 Day of month [1,31]; leading zero is permitted but not required.
140 .RE

```

```

142 .sp
143 .ne 2
144 .na
145 \fB\fB%D\fR\fR
146 .ad
147 .RS 6n
148 Date as \fB%m\fR/\fB%d\fR/\fB%y\fR.
149 .RE

```

```

151 .sp
152 .ne 2
153 .na
154 \fB\fB%e\fR\fR
155 .ad
156 .RS 6n
157 Same as \fB%d\fR.
158 .RE

```

```

160 .sp
161 .ne 2
162 .na
163 \fB\fB%h\fR\fR
164 .ad
165 .RS 6n
166 Same as \fB%b\fR.
167 .RE

```

```

169 .sp
170 .ne 2
171 .na
172 \fB\fB%H\fR\fR
173 .ad
174 .RS 6n
175 Hour (24-hour clock) [0,23]; leading zero is permitted but not required.
176 .RE

```

```

178 .sp
179 .ne 2
180 .na
181 \fB\fB%I\fR\fR
182 .ad
183 .RS 6n
184 Hour (12-hour clock) [1,12]; leading zero is permitted but not required.
185 .RE

```

```

187 .sp

```

```

188 .ne 2
189 .na
190 \fB\fB%j\fR\fR
191 .ad
192 .RS 6n
193 Day number of the year [1,366]; leading zeros are permitted but not required.
194 .RE

```

```

196 .sp
197 .ne 2
198 .na
199 \fB\fB%m\fR\fR
200 .ad
201 .RS 6n
202 Month number [1,12]; leading zero is permitted but not required.
203 .RE

```

```

205 .sp
206 .ne 2
207 .na
208 \fB\fB%M\fR\fR
209 .ad
210 .RS 6n
211 Minute [0-59]; leading zero is permitted but not required.
212 .RE

```

```

214 .sp
215 .ne 2
216 .na
217 \fB\fB%n\fR\fR
218 .ad
219 .RS 6n
220 Any white space.
221 .RE

```

```

223 .sp
224 .ne 2
225 .na
226 \fB\fB%p\fR\fR
227 .ad
228 .RS 6n
229 Locale's equivalent of either a.m. or p.m.
230 .RE

```

```

232 .sp
233 .ne 2
234 .na
235 \fB\fB%r\fR\fR
236 .ad
237 .RS 6n
238 Appropriate time representation in the 12-hour clock format with \fB%p\fR.
239 .RE

```

```

241 .sp
242 .ne 2
243 .na
244 \fB\fB%R\fR\fR
245 .ad
246 .RS 6n
247 Time as \fB%H\fR:\fB%M\fR.
248 .RE

```

```

250 .SS "SUSv3"
251 .sp
252 .ne 2
253 .na

```

```

254 \fB\fB%S\fR\fR
255 .ad
256 .RS 6n
257 Seconds [0,60]; leading zero is permitted but not required. The range of values
258 is [00,60] rather than [00,59] to allow for the occasional leap second.
259 .RE

261 .SS "Default and other standards"
262 .sp
263 .ne 2
264 .na
265 \fB\fB%S\fR\fR
266 .ad
267 .RS 6n
268 Seconds [0,61]; leading zero is permitted but not required. The range of values
269 is [00,61] rather than [00,59] to allow for the occasional leap second and even
270 more occasional double leap second.
271 .RE

273 .sp
274 .ne 2
275 .na
276 \fB\fB%t\fR\fR
277 .ad
278 .RS 6n
279 Any white space.
280 .RE

282 .sp
283 .ne 2
284 .na
285 \fB\fB%T\fR\fR
286 .ad
287 .RS 6n
288 Time as \fB%H\fR:\fB%M\fR:\fB%S\fR.
289 .RE

291 .sp
292 .ne 2
293 .na
294 \fB\fB%U\fR\fR
295 .ad
296 .RS 6n
297 Week number of the year as a decimal number [0,53], with Sunday as the first
298 day of the week; leading zero is permitted but not required.
299 .RE

301 .sp
302 .ne 2
303 .na
304 \fB\fB%w\fR\fR
305 .ad
306 .RS 6n
307 Weekday as a decimal number [0,6], with 0 representing Sunday.
308 .RE

310 .sp
311 .ne 2
312 .na
313 \fB\fB%W\fR\fR
314 .ad
315 .RS 6n
316 Week number of the year as a decimal number [0,53], with Monday as the first
317 day of the week; leading zero is permitted but not required.
318 .RE

```

```

320 .sp
321 .ne 2
322 .na
323 \fB\fB%x\fR\fR
324 .ad
325 .RS 6n
326 Locale's appropriate date representation.
327 .RE

329 .sp
330 .ne 2
331 .na
332 \fB\fB%X\fR\fR
333 .ad
334 .RS 6n
335 Locale's appropriate time representation.
336 .RE

338 .sp
339 .ne 2
340 .na
341 \fB\fB%y\fR\fR
342 .ad
343 .RS 6n
344 Year within century. When a century is not otherwise specified, values in the
345 range 69-99 refer to years in the twentieth century (1969 to 1999 inclusive);
346 values in the range 00-68 refer to years in the twenty-first century (2000 to
347 2068 inclusive).
348 .RE

350 .sp
351 .ne 2
352 .na
353 \fB\fB%Y\fR\fR
354 .ad
355 .RS 6n
356 Year, including the century (for example, 1993).
357 .RE

359 .sp
360 .ne 2
361 .na
362 \fB\fB%Z\fR\fR
363 .ad
364 .RS 6n
365 Time zone name or no characters if no time zone exists.
366 .RE

368 .SS "Modified Conversion Specifications"
369 .sp
369 .LP
370 Some conversion specifications can be modified by the \fB%e\fR and \fB%o\fR
371 modifier characters to indicate that an alternate format or specification
372 should be used rather than the one normally used by the unmodified
373 specification. If the alternate format or specification does not exist in the
374 current locale, the behavior will be as if the unmodified conversion
375 specification were used.
376 .sp
377 .ne 2
378 .na
379 \fB\fB%Ec\fR\fR
380 .ad
381 .RS 7n
382 Locale's alternate appropriate date and time representation.
383 .RE

```



```

385 .sp
386 .ne 2
387 .na
388 \fB\fB%EC\fR\fR
389 .ad
390 .RS 7n
391 Name of the base year (era) in the locale's alternate representation.
392 .RE

394 .sp
395 .ne 2
396 .na
397 \fB\fB%Ex\fR\fR
398 .ad
399 .RS 7n
400 Locale's alternate date representation.
401 .RE

403 .sp
404 .ne 2
405 .na
406 \fB\fB%EX\fR\fR
407 .ad
408 .RS 7n
409 Locale's alternate time representation.
410 .RE

412 .sp
413 .ne 2
414 .na
415 \fB\fB%Ey\fR\fR
416 .ad
417 .RS 7n
418 Offset from \fB%EC\fR (year only) in the locale's alternate representation.
419 .RE

421 .sp
422 .ne 2
423 .na
424 \fB\fB%EY\fR\fR
425 .ad
426 .RS 7n
427 Full alternate year representation.
428 .RE

430 .sp
431 .ne 2
432 .na
433 \fB\fB%Od\fR\fR
434 .ad
435 .RS 7n
436 Day of the month using the locale's alternate numeric symbols.
437 .RE

439 .sp
440 .ne 2
441 .na
442 \fB\fB%Oe\fR\fR
443 .ad
444 .RS 7n
445 Same as \fB%Od\fR.
446 .RE

448 .sp
449 .ne 2
450 .na

```

```

451 \fB\fB%OH\fR\fR
452 .ad
453 .RS 7n
454 Hour (24-hour clock) using the locale's alternate numeric symbols.
455 .RE

457 .sp
458 .ne 2
459 .na
460 \fB\fB%OI\fR\fR
461 .ad
462 .RS 7n
463 Hour (12-hour clock) using the locale's alternate numeric symbols.
464 .RE

466 .sp
467 .ne 2
468 .na
469 \fB\fB%Om\fR\fR
470 .ad
471 .RS 7n
472 Month using the locale's alternate numeric symbols.
473 .RE

475 .sp
476 .ne 2
477 .na
478 \fB\fB%OM\fR\fR
479 .ad
480 .RS 7n
481 Minutes using the locale's alternate numeric symbols.
482 .RE

484 .sp
485 .ne 2
486 .na
487 \fB\fB%OS\fR\fR
488 .ad
489 .RS 7n
490 Seconds using the locale's alternate numeric symbols.
491 .RE

493 .sp
494 .ne 2
495 .na
496 \fB\fB%OU\fR\fR
497 .ad
498 .RS 7n
499 Week number of the year (Sunday as the first day of the week) using the
500 locale's alternate numeric symbols.
501 .RE

503 .sp
504 .ne 2
505 .na
506 \fB\fB%Ow\fR\fR
507 .ad
508 .RS 7n
509 Number of the weekday (Sunday=0) using the locale's alternate numeric symbols.
510 .RE

512 .sp
513 .ne 2
514 .na
515 \fB\fB%OW\fR\fR
516 .ad

```

```

517 .RS 7n
518 Week number of the year (Monday as the first day of the week) using the
519 locale's alternate numeric symbols.
520 .RE

522 .sp
523 .ne 2
524 .na
525 \fB\fB%Oy\fR\fR
526 .ad
527 .RS 7n
528 Year (offset from \fB%C\fR) in the locale's alternate representation and using
529 the locale's alternate numeric symbols.
530 .RE

532 .SS "General Specifications"
533 .LP
534 A conversion specification that is an ordinary character is executed by
535 scanning the next character from the buffer. If the character scanned from the
536 buffer differs from the one comprising the specification, the specification
537 fails, and the differing and subsequent characters remain unscanned.
538 .sp
539 .LP
540 A series of specifications composed of \fB%n\fR, \fB%t\fR, white-space
541 characters or any combination is executed by scanning up to the first character
542 that is not white space (which remains unscanned), or until no more characters
543 can be scanned. White space is defined by \fBisspace\fR(3C).
544 .sp
545 .LP
546 Any other conversion specification is executed by scanning characters until a
547 character matching the next specification is scanned, or until no more
548 characters can be scanned. These characters, except the one matching the next
549 specification, are then compared to the locale values associated with the
550 conversion specifier. If a match is found, values for the appropriate
551 \fBItem\fR structure members are set to values corresponding to the locale
552 information. If no match is found, \fBstrptime()\fR fails and no more
553 characters are scanned.
554 .sp
555 .LP
556 The month names, weekday names, era names, and alternate numeric symbols can
557 consist of any combination of upper and lower case letters. The user can
558 request that the input date or time specification be in a specific language by
559 setting the \fBLC_TIME\fR category using \fBsetlocale\fR(3C).
560 .sp
561 .LP
562 In addition to the behavior described above by various standards, the Solaris
563 implementation of \fBstrptime()\fR provides the following extensions. These may
564 change at any time in the future. Portable applications should not depend on
565 these extended features:
566 .RS +4
567 .ie t \(\bu
568 .el o
569 If \fB_STRPTIME_DONTZERO\fR is not defined, the \fBtm struct\fR is zeroed on
570 entry and \fBstrptime()\fR updates the fields of the \fBtm struct\fR associated
571 with the specifiers in the format string.
572 .RE
573 .RS +4
574 .TP
575 .ie t \(\bu
576 .el o
577 If \fB_STRPTIME_DONTZERO\fR is defined, \fBstrptime()\fR does not zero the
578 \fBtm struct\fR on entry. Additionally, for some specifiers, \fBstrptime()\fR
579 will use some values in the input \fBtm struct\fR to recalculate the date and

```

```

580 re-assign the appropriate members of the \fBtm struct\fR.
581 .RE
582 .LP
583 The following describes extended features regardless of whether
584 \fB_STRPTIME_DONTZERO\fR is defined or not defined:
585 .RS +4
586 .TP
587 .ie t \(\bu
588 .el o
589 If \fB%j\fR is specified, \fBtm_yday\fR is set; if year is given, and if month
590 and day are not given, \fBstrptime()\fR calculates and sets \fBtm_mon\fR,
591 \fBtm_mday\fR, and \fBtm_year\fR.
592 .RE
593 .RS +4
594 .TP
595 .ie t \(\bu
596 .el o
597 If \fB%U\fR or \fB%W\fR is specified and if weekday and year are given and
598 month and day of month are not given, \fBstrptime()\fR calculates and sets
599 \fBtm_mon\fR, \fBtm_mday\fR, \fBtm_wday\fR, and \fBtm_year\fR.
600 .RE
601 .LP
602 The following describes extended features when \fB_STRPTIME_DONTZERO\fR is not
603 defined:
604 .RS +4
605 .TP
606 .ie t \(\bu
607 .el o
608 If \fB%C\fR is specified and \fB%y\fR is not specified, \fBstrptime()\fR assumes
609 0 as the year offset, then calculates the year, and assigns \fBtm_year\fR.
610 .RE
611 .LP
612 The following describes extended features when \fB_STRPTIME_DONTZERO\fR is
613 defined:
614 .RS +4
615 .TP
616 .ie t \(\bu
617 .el o
618 If \fB%C\fR is specified and \fB%y\fR is not specified, \fBstrptime()\fR
619 assumes the year offset of the year value of the \fBtm_year\fR member of the
620 input \fBtm struct\fR, then calculates the year and assigns \fBtm_year\fR.
621 .RE
622 .RS +4
623 .TP
624 .ie t \(\bu
625 .el o
626 If \fB%j\fR is specified and neither \fB%y\fR, \fB%Y\fR, nor \fB%C\fR are
627 specified, and neither month nor day of month are specified, \fBstrptime()\fR
628 assumes the year value given by the value of the \fBtm_year\fR field of the
629 input \fBtm struct\fR. Then, in addition to setting \fBtm_yday\fR,
630 \fBstrptime()\fR uses day-of-year and year values to calculate the month and
631 day-of-month, and assigns \fBtm_month\fR and \fBtm_mday\fR.
632 .RE
633 .RS +4
634 .TP
635 .ie t \(\bu
636 .el o
637 If \fB%U\fR or \fB%W\fR is specified, and if weekday and/or year are not given,
638 and month and day of month are not given, \fBstrptime()\fR will assume the
639 weekday value and/or the year value as the value of the \fBtm_wday\fR field
640 and/or \fBtm_year\fR field of the input \fBtm struct\fR. Then,
641 \fBstrptime()\fR will calculate the month and day-of-month and assign
642 \fBtm_mon\fR, \fBtm_mday\fR, and/or \fBtm_year\fR.

```

```

643 .RE
644 .RS +4
645 .TP
646 .ie t \(\bu
647 .el o
648 If \fB%p\fR is specified and if hour is not specified, \fBstrptime()\fR will
649 reference, and if needed, update the \fBtm_hour\fR member. If the \fBam_pm\fR
650 input is p.m. and the input \fBtm_hour\fR value is between 0 - 11,
651 \fBstrptime()\fR will add 12 hours and update \fBtm_hour\fR. If the
652 \fBam_pm\fR input is a.m. and input \fBtm_hour\fR value is between 12 - 23,
653 \fBstrptime()\fR will subtract 12 hours and update \fBtm_hour\fR.
654 .RE
655 .SH RETURN VALUES
663 .sp
656 .LP
657 Upon successful completion, \fBstrptime()\fR returns a pointer to the character
658 following the last character parsed. Otherwise, a null pointer is returned.
659 .SH USAGE
668 .sp
660 .LP
661 Several "same as" formats, and the special processing of white-space characters
662 are provided in order to ease the use of identical \fBformat\fR strings for
663 \fBstrptime\fR(3C) and \fBstrptime()\fR.
673 .sp
664 .LP
665 The \fBstrptime()\fR function tries to calculate \fBtm_year\fR, \fBtm_mon\fR,
666 and \fBtm_mday\fR when given incomplete input. This allows the \fBstruct tm\fR
667 created by \fBstrptime()\fR to be passed to \fBmktime\fR(3C) to produce a
668 \fBtime_t\fR value for dates and times that are representable by a
669 \fBtime_t\fR. As an example, since \fBmktime()\fR ignores \fBtm_yday\fR,
670 \fBstrptime()\fR calculates \fBtm_mon\fR and \fBtm_mday\fR as well as filling
671 in \fBtm_yday\fR when \fB%j\fR is specified without otherwise specifying a
672 month and day within month.
673 .SH ATTRIBUTES
684 .sp
674 .LP
675 See \fBattributes\fR(5) for descriptions of the following attributes:
687 .sp
689 .sp
676 .TS
677 box;
678 c | c
679 l | l .
680 ATTRIBUTE TYPE ATTRIBUTE VALUE
681 -
682 CSI Enabled
683 -
684 Interface Stability See below.
698 Interface Stability Committed
685 -
686 MT-Level MT-Safe
687 -
688 Standard See \fBstandards\fR(5) for \fBstrptime()\fR.
702 Standard See \fBstandards\fR(5).
689 .TE

691 .LP
692 The \fBstrptime()\fR function is Standard. The \fBstrptime_l()\fR function
693 is Uncommitted.
694 .SH SEE ALSO
706 .sp
695 .LP
696 \fBctime\fR(3C), \fBgetdate\fR(3C), \fBisspace\fR(3C), \fBmktime\fR(3C),
697 \fBnewlocale\fR(3C),
698 \fBsetlocale\fR(3C), \fBstrptime\fR(3C), \fBuselocale\fR(3C),

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699 \fBattributes\fR(5), \fBenviron\fR(5),
709 \fBsetlocale\fR(3C), \fBstrptime\fR(3C), \fBattributes\fR(5), \fBenviron\fR(5),
700 \fBstandards\fR(5)

```

```

*****
5300 Sun Jun 29 11:52:23 2014
new/usr/src/man/man3c/strxfrm.3c
Garrett's man page edits.
*****
1 \" te
2 .\" Copyright 2014 Garrett D'Amore <garrett@damore.org>
3 .\" Copyright 1989 AT&T. Copyright (c) 2003, Sun Microsystems, Inc. All Rights
4 .\" Sun Microsystems, Inc. gratefully acknowledges The Open Group for permission
5 .\" http://www.opengroup.org/bookstore/.
6 .\" The Institute of Electrical and Electronics Engineers and The Open Group, ha
7 .\" This notice shall appear on any product containing this material.
8 .\" The contents of this file are subject to the terms of the Common Development
9 .\" You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE or http:
10 .\" When distributing Covered Code, include this CDDL HEADER in each file and in
11 .TH STRXFRM 3C "Jun 21, 2014"
12 .SH STRXFRM 3C "Dec 10, 2003"
13 .SH NAME
14 strxfrm, strxfrm_l \- string transformation
15 .SH SYNOPSIS
16 .LP
17 #include <string.h>
18
19 #include <string.h>
20 #include <string.h>
21 #include <string.h>
22 #include <string.h>
23 #include <string.h>
24 #include <string.h>
25 #include <string.h>
26
27 .SH DESCRIPTION
28 The \fBstrxfrm()\fR function transforms the string pointed to by \fIs2\fR and
29 places the resulting string into the array pointed to by \fIs1\fR. The
30 transformation is such that if \fBstricmp()\fR(3C) is applied to two transformed
31 strings, it returns a value greater than, equal to or less than \fB0\fR,
32 corresponding to the result of \fBstrcoll()\fR(3C) applied to the same two
33 original strings. No more than \fIn\fR bytes are placed into the resulting
34 array pointed to by \fIs1\fR, including the terminating null byte. If \fIn\fR
35 is \fB0\fR, \fIs1\fR is permitted to be a null pointer. If copying takes place
36 between objects that overlap, the behavior is undefined.
37 .LP
38 The \fBstrxfrm()\fR function does not change the setting of \fBerrno\fR if
39 successful.
40 .sp
41 Since no return value is reserved to indicate an error, an application wishing
42 to check for error situations should set \fBerrno\fR to 0, then call
43 \fBstrxfrm()\fR, then check \fBerrno\fR.
44 .LP
45 The \fBstrxfrm_l()\fR functions behaves identically to the function
46 \fBstrxfrm()\fR, except instead of operating in the current locale it
47 operates in the locale specified by the argument \fIloc\fR.
48 \fBstrxfrm_l()\fR, except instead of operating in the current environment it
49 operates in the environment specified by the argument \fIloc\fR.
50 .SH RETURN VALUES
51 .sp
52 Upon successful completion, \fBstrxfrm()\fR returns the length of the
53 transformed string (not including the terminating null byte). If the value

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52 returned is \fIn\fR or more, the contents of the array pointed to by \fIs1\fR
53 are indeterminate.
54 .sp
55 .LP
56 On error, \fBstrxfrm()\fR may set \fBerrno\fR but no return value is reserved
57 to indicate the error.
58 .SH USAGE
59 .sp
60 The transformation function is such that two transformed strings can be ordered
61 by \fBstrcmp()\fR(3C) as appropriate to collating sequence information in the
62 locale (category \fBLC_COLLATE\fR).
63 program's locale (category \fBLC_COLLATE\fR).
64 .sp
65 .LP
66 The fact that when \fIn\fR is \fB0\fR, \fIs1\fR is permitted to be a null
67 pointer, is useful to determine the size of the \fIs1\fR array prior to making
68 the transformation.
69 .SH EXAMPLES
70 .LP
71 \fBExample 1 \fR A sample of using the \fBstrxfrm()\fR function.
72 .sp
73 The value of the following expression is the size of the array needed to hold
74 the transformation of the string pointed to by \fIs\fR.
75 .sp
76 .in +2
77 .nf
78 l + strxfrm(NULL, s, 0);
79 .fi
80 .in -2
81 .SH FILES
82 .IP \fB/usr/lib/locale/\fR\fIlocale\fR/\fB/LC_COLLATE/*\fR
83 collation database for \fIlocale\fR
84 .sp
85 .ne 2
86 .na
87 \fB/usr/lib/locale/\fR\fIlocale\fR/\fIlocale\fR.so.*\fR
88 .ad
89 .sp .6
90 .RS 4n
91 \fBLC_COLLATE\fR database for \fIlocale\fR
92 .RE
93 .SH ATTRIBUTES
94 .sp
95 .LP
96 See \fBAttributes\fR(5) for descriptions of the following attributes:
97 .sp
98 .sp
99 .TS
100 .c | c
101 | l .
102 ATTRIBUTE TYPE ATTRIBUTE VALUE
103 _ CSI Enabled
104 _ Interface Stability Standard
105 _
106 MT-Level MT-Safe
107 MT-Level MT-Safe with exceptions
108 .TE

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```
116 .sp
117 .LP
118 The \fBstrxfrm()\fR function can be used safely in a multithreaded application,
119 as long as \fBsetlocale\fR(3C) is not being called to change the locale.
120 .SH SEE ALSO
121 .sp
122 .LP
123 \fBlocaledef\fR(1), \fBnewlocale\fR(3C), \fBsetlocale\fR(3C), \fBstrcmp\fR(3C),
124 \fBstrcoll\fR(3C), \fBuselocale\fR(3C),
125 \fBlocaledef\fR(1), \fBsetlocale\fR(3C), \fBstrcmp\fR(3C), \fBstrcoll\fR(3C),
126 \fBwscoll\fR(3C), \fBattributes\fR(5), \fBenviron\fR(5), \fBstandards\fR(5)
```



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2411 Sun Jun 29 11:52:25 2014

new/usr/src/man/man3c/toupper.3c

Garrett's man page edits.

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```

1  \" te
2  .\" Copyright 2014 Garrett D'Amore <garrett@damore.org>
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5  .\" You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE or http:
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7  .TH TOUPPER 3C "Jun 21, 2014"
8  .TH TOUPPER 3C "Aug 14, 2002"
9  .SH NAME
10 toupper, toupper_l \- transliterate lower-case characters to upper-case
11 .SH SYNOPSIS
12 .LP
13 #include <ctype.h>

15 \fBint\fR \fBtoupper\fR(\fBint\fR \fIc\fR);
16 .fi
17 .LP
18 .nf
19 \fBint\fR \fBtoupper_l\fR(\fBint\fR \fIc\fR, \fBlocale_t\fR \fIIloc\fR);
20 .fi

22 .SH DESCRIPTION
23 .sp
24 .LP
25 The \fBtoupper()\fR function has as a domain a type \fBint\fR, the value of
26 which is representable as an \fBunsigned char\fR or the value of \fBEOF\fR. If
27 the argument has any other value, the argument is returned unchanged. If the
28 argument of \fBtoupper()\fR represents a lower-case letter, and there exists a
29 corresponding upper-case letter (as defined by character type information in
30 the locale category \fBLC_CTYPE\fR), the result is the corresponding
31 the program locale category \fBLC_CTYPE\fR), the result is the corresponding
32 upper-case letter. All other arguments in the domain are returned unchanged.
33 .sp
34 .LP
35 The function \fBtoupper_l()\fR behaves identically to \fBtoupper()\fR, except
36 instead of operating in the current locale, it operates in the locale
37 The function \fBtoupper_l()\fR behaves identically to \fBtoupper\fR, except
38 instead of operating in the current environemtn, it operates in the environment
39 specified by \fIIloc\fR.
40 .SH RETURN VALUES
41 .sp
42 .LP
43 On successful completion, \fBtoupper()\fR returns the upper-case letter
44 corresponding to the argument passed.
45 .SH ERRORS
46 .sp
47 .LP
48 No errors are defined.
49 .SH ATTRIBUTES
50 .sp
51 .LP
52 See \fBAttributes\fR(5) for descriptions of the following attributes:
53 .sp
54 .sp
55 .TS
56 box;
57 c | c
58 l | l .
59 ATTRIBUTE TYPE ATTRIBUTE VALUE

```

```

50 _
51 CSI Enabled
52 _
53 Interface Stability Standard
54 _
55 MT-Level MT-Safe
56 .TE

58 .SH SEE ALSO
59 .sp
60 .LP
61 \fB_toupper\fR(3C), \fBnewlocale\fR(3C), \fBsetlocale\fR(3C),
62 \fBuselocale\fR(3C),
63 \fBattributes\fR(5), \fBstandards\fR(5)
64 \fB_toupper\fR(3C), \fBsetlocale\fR(3C), \fBattributes\fR(5),
65 \fBstandards\fR(5)

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*****
1767 Sun Jun 29 11:52:25 2014
new/usr/src/man/man3c/towlower.3c
Garrett's man page edits.
*****

```

```

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11 \"
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13 \" Copyright (c) 2014 Joyent, Inc. All rights reserved.
14 \" Copyright 2014 Garrett D'Amore <garrett@damore.org>
15 \"
16 .TH TOWLOWER 3C \"Jun 21, 2014\"
17 .TH TOWLOWER 3C \"Jun 11, 2014\"
18
19 .SH NAME
20
21 towlower, towlower_1 \- transliterate upper-case wide characters to lower-case
22
23 .SH SYNOPSIS
24
25 .LP
26 .nf
27 #include <wctype.h>
28
29 \fBwint_t\fR \fBtowlower\fR(\fBwint_t\fR \fBIwc\fR);
30
31 .LP
32 .nf
33 \fBwint_t\fR \fBtowlower_1\fR(\fBwint_t\fR \fBIwc\fR, \fBlocale_t\fR \fBIloc\fR);
34
35 .LP
36 .BI "wint_t towlower(wint_t wc );"
37 .BI "wint_t towlower_1(wint_t wc, " locale_t " loc );"
38
39 .SH DESCRIPTION
40
41 The function
42 .BR towlower()
43 .BR towlower
44 is the wide character equivalent of the function
45 .BR tolower (3C).
46 .BR tolower
47 It converts the upper-case wide character
48 .I wc
49 .I loc
50 to the equivalent lower-case
51 wide character, if one exists. If one does not exist, it returns
52 .I wc
53 .I loc
54 unchanged.
55
56 .LP
57 The function
58 .B towlower_1()
59 .B towlower_1
60 is equivalent to the function
61 .BR towlower() ,
62 but instead of operating in the current locale, operates in the

```

```

47 locale specified by
48 .BR towlower ,
49 but instead of operating in the current environemnt, operates on the
50 environment specified by
51 .IR loc .
52
53 .SH RETURN VALUES
54
55 On successful completion,
56 .B towlower()
57 and
58 .B towlower_1()
59 return the lower-case character that corresponds to the argument passed.
60 Otherwise, they return the argument unchanged.
61
62 .SH ERRORS
63
64 No errors are defined.
65
66 .SH ATTRIBUTES
67
68 .sp
69 .TS
70 box;
71 c | c
72 l | l .
73 ATTRIBUTE TYPE ATTRIBUTE VALUE
74
75 Interface Stability Standard
76
77 MT-Level MT-Safe
78 MT-Level Safe
79
80 .TE
81
82 .SH SEE ALSO
83 .BR duplocale (3C),
84 .BR newlocale (3C),
85 .BR setlocale (3C),
86 .BR towupper (3C),
87 .BR uselocale (3C),
88 .BR environ (5),
89 .BR locale (5)

```



```

*****
1765 Sun Jun 29 11:52:25 2014
new/usr/src/man/man3c/towupper.3c
Garrett's man page edits.
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14 \" Copyright 2014 Garrett D'Amore <garrett@damore.org>
15 \"
16 .TH TOWUPPER 3C \"Jun 21, 2014\"
17 .TH TOWUPPER 3C \"Jun 11, 2014\"
18
19 .SH NAME
20
21 towupper, towupper_1 \- transliterate lower-case wide characters to upper-case
22
23
24 .SH SYNOPSIS
25
26 .LP
27 .nf
28 #include <wctype.h>
29
30 \fBwint_t\fR \fBtowupper\fR(\fBwint_t\fR \fBIwc\fR);
31 .fi
32 .LP
33 .nf
34 \fBwint_t\fR \fBtowupper_1\fR(\fBwint_t\fR \fBIwc\fR, \fBlocale_t\fR \fBIloc\fR);
35 .fi
36 .BI "wint_t towupper(wint_t" wc );
37 .BI "wint_t towupper_1(wint_t" wc, " locale_t " loc );
38
39 .SH DESCRIPTION
40
41 The function
42 .BR towupper()
43 .BR towupper
44 is the wide character equivalent of the function
45 .BR toupper (3C).
46 .BR toupper .
47 It converts the lower-case wide character
48 .I wc
49 .I loc
50 to the equivalent upper-case
51 wide character, if one exists. If one does not exist, it returns
52 .I wc
53 .I loc
54 unchanged.
55
56 .LP
57 The function
58 .B towupper_1()
59 .B towupper_1
60 is equivalent to the function
61 .BR toupper() ,
62 but instead of operating in the current locale, operates in the

```

```

47 locale specified by
48 .BR towupper ,
49 but instead of operating in the current environemnt, operates on the
50 environment specified by
51 .IR loc .
52
53 .SH RETURN VALUES
54
55 On successful completion,
56 .B towupper()
57 and
58 .B towupper_1()
59 return the upper-case character that corresponds to the argument passed.
60 Otherwise, they return the argument unchanged.
61
62 .SH ERRORS
63
64 No errors are defined.
65
66 .SH ATTRIBUTES
67 .sp
68 .TS
69 box;
70 c | c
71 l | l .
72 ATTRIBUTE TYPE ATTRIBUTE VALUE
73 -
74 Interface Stability Standard
75 -
76 MT-Level MT-Safe
77 MT-Level Safe
78 .TE
79
80 .SH SEE ALSO
81 .BR duplocale (3C),
82 .BR newlocale (3C),
83 .BR setlocale (3C),
84 .BR toupper(3C),
85 .BR uselocale (3C),
86 .BR tolower(3C),
87 .BR environ (5),
88 .BR locale (5)

```

```

*****
2324 Sun Jun 29 11:52:26 2014
new/usr/src/man/man3c/uselocale.3c
Garrett's man page edits.
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11 \"
12 \"
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14 \" Copyright 2014 Garrett D'Amore <garrett@damore.org>
15 \"
16 .TH USELOCALE 3C \"Jun 24, 2014\"
15 .TH USELOCALE 3C \"Jun 11, 2014\"

18 .SH NAME

19 uselocale \- get and set the locale for an individual thread

20 .SH SYNOPSIS

21 .LP
22 .nf
23 #include <locale.h>

25 \fBlocale_t\fR \fBuselocale\fR(\fBlocale_t\fR \fBiloc\fR);
26 .fi
27 .BI "locale_t uselocale(locale_t " loc );

27 .SH DESCRIPTION
28 .LP

29 The
30 .B uselocale()
31 function is used to obtain and set the current locale for a thread. When
32 a thread is created, it uses the global locale as specified by calls to
33 .B setlocale() .
34 A call to
35 .B uselocale()
36 causes all operations in the thread to use the locale specified in
37 .B loc .
38 The thread ignores all subsequent changes to the global locale that
39 occur through calls to
40 .B setlocale() .
41 When the special locale,
42 .B LC_GLOBAL_LOCALE ,
43 is passed in to
44 .B uselocale() ,
45 the thread returns to using the global locale, and subsequent calls to
46 .B setlocale()
47 cause changes for the thread.

34 .LP
35 .If
36 .BR (locale_t) 0
37 is supplied for
38 .IR loc ,
39 then no change is made to the thread's locale setting. This can be used

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40 to query the thread's locale without making any change.
41 In addition,
42 .B uselocale()
43 can be used to obtain the current locale in use by thread, this is done
44 by passing in the special locale
45 .BR (locale_t) 0.
46 If the thread has never set a locale through
47 .B uselocale() ,
48 then the current global locale as determined through calls to
49 .B setlocale()
50 will be returned.

41 .LP
42 .If
43 .B LC_GLOBAL_LOCALE
44 is supplied for
45 .IR loc ,
46 then the thread will use the global locale, undoing the effect of any
47 prior call to establish a thread-specific locale.
48 .LP
49 Otherwise the thread will use the supplied
50 .I loc
51 locale object as a thread-specific locale. Changes to the global
52 locale, or to the locale of any other thread, will not affect this thread.
53 .LP
54 Locale objects for use with
55 .B uselocale()
56 can be created with the functions
57 .BR duplocale (3C)
58 can be created and destroyed with the functions
59 .BR duplocale (3C),
60 .BR newlocale (3C),
61 and
62 .BR newlocale (3C).
63 .BR freelocale (3C).

60 .SH RETURN VALUES

61 Upon successful completion, the
62 .B uselocale()
63 function always returns the previous locale that was set. If no locale
64 was previously set, the global locale,
65 .B LC_GLOBAL_LOCALE ,
66 is returned. On failure, the
67 .I loc
68 is returned. If the locale object
69 is the special locale
70 .BR (locale_t) 0,
71 then the current locale of the thread is not updated. On failure, the
72 .B uselocale()
73 function returns
74 .BR (locale_t) 0,
75 and sets
76 .B (locale_t) 0, and sets
77 .B errno
78 to indicate the error.

73 .SH ERRORS
74 .TP

93 .sp
94 .ne 2
95 .na
96 .B EINVAL
97 .ad

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98 .RS 10n
96 An invalid locale was encountered or an internal error occurred that
97 caused the system to be unable to update the locale.
101 .RE
```

```
78 .SH ATTRIBUTES
```

```
104 .sp
79 .TS
80 box;
81 c | c
82 l | l .
83 ATTRIBUTE TYPE  ATTRIBUTE VALUE
84 -
85 Interface Stability      Standard
86 -
87 MT-Level           MT-Safe
113 MT-Level           Safe
88 .TE
```

```
90 .SH SEE ALSO
91 .BR locale (1),
92 .BR duplocale (3C),
93 .BR newlocale (3C),
94 .BR setlocale (3C),
121 .BR environ (5),
95 .BR locale (5)
```

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5376 Sun Jun 29 11:52:27 2014

new/usr/src/man/man3c/wcrtomb.3c

Garrett's man page edits.

\*\*\*\*\*

```

1  \" te
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11 .TH WCRTOMB 3C "Jun 24, 2014"
12 .TH WCRTOMB 3C "Nov 1, 2003"
13 .SH NAME
14 wcrtomb, wcrtomb_l \- convert a wide-character code to a character (restartable)
15 .SH SYNOPSIS
16 .LP
17 #include <stdio.h>
18
19 #include <wchar.h>
20 #include <wctype.h>
21 #include <locale.h>
22
23 #include <stdio.h>
24 #include <xlocale.h>
25
26 #include <wchar.h>
27 #include <wctype.h>
28 #include <locale.h>
29
30 .SH DESCRIPTION
31 .sp
32 .LP
33 If \fIs\fR is a null pointer, the \fBwcrtomb()\fR function is equivalent to the
34 call:
35 .IP
36 \fBwcrtomb()\fR(\fIbuf\fR, L'\e0', \fIps\fR);
37 .sp
38 .LP
39 \fBwcrtomb(buF, L'\e0', ps)
40 .sp
41 .LP
42 where \fIbuf\fR is an internal buffer.
43 .sp
44 .LP
45 If \fIs\fR is not a null pointer, the \fBwcrtomb()\fR function determines the
46 number of bytes needed to represent the character that corresponds to the
47 wide-character given by \fIwc\fR (including any shift sequences), and stores
48 the resulting bytes in the array whose first element is pointed to by \fIs\fR.
49 At most \fBMB_CUR_MAX\fR bytes are stored. If \fIwc\fR is a null
50 wide-character, a null byte is stored, preceded by any shift sequence needed to
51 restore the initial shift state. The resulting state described is the initial
52 conversion state.
53 .sp
54 .LP
55 If \fIps\fR is a null pointer, the \fBwcrtomb()\fR function uses its own
56 internal \fBmbstate_t\fR object, which is initialized at program startup to the
57 initial conversion state. Otherwise, the \fBmbstate_t\fR object pointed to
58 by \fIps\fR is used to completely describe the current conversion state of the
59 associated character sequence. The system will behave as if no function
60 defined in the Reference Manual calls \fBwcrtomb()\fR.

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49 associated character sequence. illumos will behave as if no function defined in
50 the illumos Reference Manual calls \fBwcrtomb()\fR.
51 .sp
52 .LP
53 The behavior of \fBwcrtomb()\fR is affected by the \fBLC_CTYPE\fR category of the
54 current locale. See \fBenvIRON\fR(5). The function \fBwcrtomb_l()\fR behaves
55 identically to \fBwcrtomb()\fR, except instead of operating in the current
56 locale, it operates in the locale specified by \fIloc\fR.
57 identically to \fBwcrtomb()\fR, except instead of operating in the current
58 environment, it operates in the environment specified by \fIloc\fR.
59 .SH RETURN VALUES
60 .sp
61 .LP
62 The \fBwcrtomb()\fR function returns the number of bytes stored in the array
63 object (including any shift sequences). When \fIwc\fR is not a valid
64 wide-character, an encoding error occurs. In this case, the function stores
65 the value of the macros \fBEBEILSEQ\fR in \fBerrno\fR and returns
66 \fB(size_t)\fR(\fIloc\fR); the conversion state is undefined.
67 .SH ERRORS
68 .sp
69 .LP
70 The \fBwcrtomb()\fR function may fail if:
71 .sp
72 .ne 2
73 .na
74 \fBEBEINVAL\fR
75 .ad
76 .RS 10n
77 The \fIps\fR argument points to an object that contains an invalid conversion
78 state.
79 .RE
80
81 .sp
82 .ne 2
83 .na
84 \fBEBEILSEQ\fR
85 .ad
86 .RS 10n
87 Invalid wide-character code is detected.
88 .RE
89
90 .SH USAGE
91 .sp
92 .LP
93 If \fIps\fR is not a null pointer, \fBwcrtomb()\fR uses the \fBmbstate_t\fR
94 object pointed to by \fIps\fR and the function can be used safely in
95 multithreaded applications, as long as \fBsetlocale(3C)\fR is not being called
96 to change the locale. If \fIps\fR is a null pointer, \fBwcrtomb()\fR uses its
97 internal \fBmbstate_t\fR object and the function is Unsafe in multithreaded
98 applications.
99 .SH ATTRIBUTES
100 .sp
101 .LP
102 See \fBattributes\fR(5) for descriptions of the following attributes:
103 .sp
104 .TS
105 box;
106 c | c
107 l | l .
108 ATTRIBUTE TYPE ATTRIBUTE VALUE
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
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96 _
97 MT-Level      See below.
112 MT-Level     See NOTES below
98 .TE

100 .LP
101 The \fBwcrtomb()\fR function is Standard. The
102 \fBwcrtomb_1()\fR function is Uncommitted.
103 .LP
104 If \fIps\fR is a null pointer, these functions should be considered Unsafe
105 for use in multithreaded applications. Otherwise, they are MT-Safe.
106 .SH SEE ALSO
116 .sp
107 .LP
108 \fBmbsinit\fR(3C), \fBnewlocale\fR(3C), \fBsetlocale\fR(3C),
109 \fBuselocale\fR(3C), \fBattributes\fR(5),
118 \fBmbsinit\fR(3C), \fBsetlocale\fR(3C), \fBattributes\fR(5),
110 \fBstandards\fR(5), \fBenviron\fR(5)
```

\*\*\*\*\*

4736 Sun Jun 29 11:52:28 2014

new/usr/src/man/man3c/wcscoll.3c

Garrett's man page edits.

\*\*\*\*\*

```

1 \" te
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11 .TH WCSCOLL 3C "Jun 25, 2014"
12 .TH WCSCOLL 3C "Aug 14, 2002"
13 .SH NAME
14 wcscoll, wcscoll_l wscoll - wide character string comparison using collating in
15 .SH SYNOPSIS
16 .LP
17 #include <wchar.h>
18
19 \fBint\fR \fBwcscoll\fR(\fBconst wchar_t *\fR\fIwsl\fR, \fBconst wchar_t *\fR\fI
20 .fi
21 .LP
22 .nf
23 \fBint\fR \fBwcscoll_l\fR(\fBconst wchar_t *\fR\fIwsl\fR, \fBconst wchar_t *\fR\
24 .fi
25 .LP
26 .nf
27 \fBint\fR \fBwcscoll\fR(\fBconst wchar_t *\fR\fIwsl\fR, \fBconst wchar_t *\fR\fIw
28 .fi
29 .SH DESCRIPTION
30 .sp
31 .LP
32 The \fBwcscoll()\fR, \fBwcscoll_l()\fR, and \fBwscoll()\fR functions compare
33 the wide character
34 The \fBwcscoll()\fR and \fBwscoll()\fR functions compare the wide character
35 string pointed to by \fIwsl\fR to the wide character string pointed to by
36 \fIwsl2\fR, both interpreted as appropriate to the \fBLC_COLLATE\fR locale
37 category.
38 \fIwsl2\fR, both interpreted as appropriate to the \fBLC_COLLATE\fR category of
39 the current locale.
40 .sp
41 .LP
42 These functions do not change the setting of \fBerrno\fR if successful.
43 The \fBwcscoll()\fR and \fBwscoll()\fR functions do not change the setting of
44 \fBerrno\fR if successful.
45 .sp
46 .LP
47 An application wanting to check for error situations should set \fBerrno\fR to
48 0 before calling these functions. If \fBerrno\fR is non-zero
49 0 before calling \fBwcscoll()\fR or \fBwscoll()\fR. If \fBerrno\fR is non-zero
50 on return, an error has occurred.
51 .sp
52 .LP
53 The function \fBwcscoll_l()\fR behaves identically to \fBwcscoll()\fR, except
54 instead of operating in the current locale, it operates in the locale
55 The function \fBwcscoll_l()\fR behaves identically to \fBwcscoll()\fR, except
56 instead of operating in the current environment, it operates in the environment
57 specified by \fBILocale\fR.
58 .SH RETURN VALUES

```

```

49 .sp
50 .LP
51 Upon successful completion, these functions return an
52 Upon successful completion, \fBwcscoll()\fR and \fBwscoll()\fR return an
53 integer greater than, equal to, or less than 0, depending upon whether the wide
54 character string pointed to by \fIwsl\fR is greater than, equal to, or less
55 than the wide character string pointed to by \fIwsl2\fR, when both are
56 interpreted as appropriate to the the current locale, or the locale
57 specified by \fBILocale\fR. On error,
58 they set \fBerrno\fR, but no return value is reserved to indicate an error.
59 interpreted as appropriate to the current locale. On error, \fBwcscoll()\fR and
60 \fBwscoll()\fR may set \fBerrno\fR, but no return value is reserved to indicate
61 an error.
62 .SH ERRORS
63 .sp
64 .LP
65 The \fBwcscoll()\fR, \fBwcscoll_l()\fR and \fBwscoll()\fR functions may fail if:
66 The \fBwcscoll()\fR and \fBwscoll()\fR functions may fail if:
67 .sp
68 .ne 2
69 .na
70 \fBEBINVAL\fR
71 .ad
72 .RS 10n
73 The \fIwsl\fR or \fIwsl2\fR arguments contain wide character codes outside the
74 domain of the collating sequence.
75 .RE
76
77 .SH USAGE
78 .sp
79 .LP
80 The \fBwcscoll()\fR(3C) and \fBwcscoll_l()\fR(3C) functions should be used for sorting
81 large lists, or when performing many comparisons on the same strings.
82 large lists.
83 .SH ATTRIBUTES
84 .sp
85 .LP
86 See \fBattributes\fR(5) for descriptions of the following attributes:
87 .sp
88
89 .sp
90 .TS
91 box;
92 c | c
93 l | l
94 l | l .
95 ATTRIBUTE TYPE ATTRIBUTE VALUE
96 -
97 CSI Enabled
98 -
99 Interface Stability See below.
100 Interface Stability \fBwcscoll()\fR is Standard
101 -
102 MT-Level MT-Safe
103 MT-Level MT-Safe with exceptions
104 .TE
105
106 .sp
107 .LP
108 The \fBwcscoll()\fR and \fBwcscoll_l()\fR functions are Standard.
109 The \fBwscoll()\fR function is Committed.
110 The \fBwcscoll()\fR and \fBwscoll()\fR functions can be used safely in
111 multithreaded applications as long as \fBsetlocale\fR(3C) is not being called
112 to change the locale.
113 .SH SEE ALSO
114 .sp

```

```
92 .LP
93 \fBnewlocale\fR(3C), \fBsetlocale\fR(3C), \fBuselocale\fR(3C),
94 \fBwcscmp\fR(3C), \fBwcsxfrm\fR(3C), \fBattributes\fR(5),
105 \fBsetlocale\fR(3C), \fBwcscmp\fR(3C), \fBwcsxfrm\fR(3C), \fBattributes\fR(5),
95 \fBstandards\fR(5)
```

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6142 Sun Jun 29 11:52:28 2014

new/usr/src/man/man3c/wcsrtombs.3c

Garrett's man page edits.

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```

1  \" te
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10 .TH WCSRTOMBS 3C "Jun 25, 2014"
10 .TH WCSRTOMBS 3C "Nov 1, 2003"
11 .SH NAME
12 wcsrtombs, wcsrtombs_l \- convert a wide-character string to a character string
13 (restartable)
14 .SH SYNOPSIS
15 .LP
16 .nf
17 #include <wchar.h>

19 \fBsize_t\fR \fBwcsrtombs\fR(\fBbchar *restrict\fR \fBfIdst\fR,
20     \fBconst wchar_t **restrict\fR \fBfIsrc\fR, \fBfBsize_t\fR \fBfIlen\fR,
21     \fBfBmbstate_t *restrict\fR \fBfIps\fR);
22 .fi
23 .LP
24 .nf
25 #include <wchar.h>
26 #include <xlocale.h>

28 \fBsize_t\fR \fBwcsrtombs_l\fR(\fBbchar *restrict\fR \fBfIdst\fR,
29     \fBconst wchar_t **restrict\fR \fBfIsrc\fR, \fBfBsize_t\fR \fBfIlen\fR,
30     \fBfBmbstate_t *restrict\fR \fBfIps\fR, \fBfBlocale_t\fR \fBfIloc\fR);
31 .fi

32 .SH DESCRIPTION
33 .sp
34 .LP
35 The \fBwcsrtombs()\fR function converts a sequence of wide-characters from the
36 array indirectly pointed to by \fBfIsrc\fR into a sequence of corresponding
37 characters, beginning in the conversion state described by the object pointed
38 to by \fBfIps\fR. If \fBfIdst\fR is not a null pointer, the converted characters
39 are then stored into the array pointed to by \fBfIdst\fR. Conversion continues up
40 to and including a terminating null wide-character, which is also stored.
41 Conversion stops earlier in the following cases:
42 .RS +4
43 .TP
44 .ie t \(\bu
45 .el o
46 When a code is reached that does not correspond to a valid character.
47 .RE
48 .RS +4
49 .TP
50 .ie t \(\bu
51 .el o
52 When the next character would exceed the limit of \fBfIlen\fR total bytes to be
53 stored in the array pointed to by \fBfIdst\fR (and \fBfIdst\fR is not a null
54 pointer).
55 .RE
56 .sp
57 .LP
58 Each conversion takes place as if by a call to the \fBwcbrtomb()\fR function.
59 .sp

```

```

57 .LP
58 If \fBfIdst\fR is not a null pointer, the pointer object pointed to by \fBfIsrc\fR
59 is assigned either a null pointer (if conversion stopped due to reaching a
60 terminating null wide-character) or the address just past the last
61 wide-character converted (if any). If conversion stopped due to reaching a
62 terminating null wide-character, the resulting state described is the initial
63 conversion state.
64 .sp
65 .LP
66 If \fBfIps\fR is a null pointer, the \fBwcsrtombs()\fR function uses its own
67 internal \fBmbstate_t\fR object, which is initialized at program startup to the
68 initial conversion state. Otherwise, the \fBmbstate_t\fR object pointed to by
69 \fBfIps\fR is used to completely describe the current conversion state of the
70 associated character sequence. The system will behave as if no function defined
71 in the Reference Manual calls any of these functions.
72 associated character sequence. Solaris will behave as if no function defined in
73 the Solaris Reference Manual calls \fBwcsrtombs()\fR.
74 .sp
75 .LP
76 The behavior of \fBwcsrtombs()\fR is affected by the \fBFLC_CTYPE\fR category of
77 the current locale. See \fBenviron\fR(5).
78 The behavior of this function is affected by the \fBFLC_CTYPE\fR category of the
79 current locale. See \fBenviron\fR(5).
80 .sp
81 .LP
82 The function \fBwcsrtombs_l()\fR behaves identically to \fBwcsrtombs\fR, except
83 instead of operating in the current locale, it operates in the locale
84 specified by \fBfIloc\fR.
85 .SH RETURN VALUES
86 .sp
87 .LP
88 If conversion stops because a code is reached that does not correspond to a
89 valid character, an encoding error occurs. In this case, these
90 functions store the value of the macro \fBEBILSEQ\fR in \fBfBerrno\fR and return
91 \fB(size_t)\(mil\fR; the conversion state is undefined. Otherwise, they return
92 valid character, an encoding error occurs. In this case, the \fBwcsrtombs()\fR
93 function stores the value of the macro \fBEBILSEQ\fR in \fBfBerrno\fR and returns
94 \fB(size_t)\(mil\fR; the conversion state is undefined. Otherwise, it returns
95 the number of bytes in the resulting character sequence, not including the
96 terminating null (if any).
97 .SH ERRORS
98 .sp
99 .LP
100 The \fBwcsrtombs()\fR and \fBwcsrtombs_l()\fR functions may fail if:
101 The \fBwcsrtombs()\fR function may fail if:
102 .sp
103 .ne 2
104 .na
105 \fBfBEBINVAL\fR
106 .ad
107 .RS 10n
108 The \fBfIps\fR argument points to an object that contains an invalid conversion
109 state.
110 .RE
111 .sp
112 .ne 2
113 .na
114 \fBfBEBILSEQ\fR
115 .ad
116 .RS 10n
117 A wide-character code does not correspond to a valid character.
118 .RE
119 .sp
120 .SH USAGE

```



```

113 .sp
114 .LP
115 If \fIps\fR is not a null pointer, \fBwcsrtombs()\fR uses the \fBmbstate_t\fR
116 object pointed to by \fIps\fR and the function can be used safely in
117 multithreaded applications, as long as \fBsetlocale\fR(3C) is not being called
118 to change the locale. If \fIps\fR is a null pointer, \fBwcsrtombs()\fR uses its
119 internal \fBmbstate_t\fR object and the function is Unsafe in multithreaded
120 applications.
121 .SH ATTRIBUTES
122 .sp
123 .LP
124 See \fBattributes\fR(5) for descriptions of the following attributes:
125 .sp
126
127 .sp
128 .TS
129 box;
130 c | c
131 l | l .
132 ATTRIBUTE TYPE ATTRIBUTE VALUE
133 -
134 Interface Stability See below.
135 Interface Stability Standard
136 -
137 MT-Level See below.
138 MT-Level See NOTES below
139 .TE
140
141 .LP
142 The \fBwcsrtombs()\fR function is Standard. The \fBwcsrtombs_l()\fR
143 function is Uncommitted.
144 .LP
145 If \fIps\fR is a null pointer, these functions should be considered Unsafe
146 for use in multithreaded applications. Otherwise, they are MT-Safe.
147 .SH SEE ALSO
148 .sp
149 .LP
150 \fBmbstate_t\fR(3C), \fBnewlocale\fR(3C), \fBsetlocale\fR(3C), \fBuselocale\fR(3C)
151 \fBwcrctomb\fR(3C), \fBattributes\fR(5),
152 \fBmbstate_t\fR(3C), \fBsetlocale\fR(3C), \fBwcrctomb\fR(3C), \fBattributes\fR(5),
153 \fBenviron\fR(5), \fBstandards\fR(5)

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3704 Sun Jun 29 11:52:28 2014

new/usr/src/man/man3c/wctob.3c

Garrett's man page edits.

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```

1 \" te
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11 .TH WCTOB 3C "Jun 25, 2014"
12 .SH NAME
13 wctob, wctob_l \- wide-character to single-byte conversion
14 .SH SYNOPSIS
15 .LP
16 .nf
17 #include <stdio.h>
18 #include <wchar.h>

20 \fBint\fR \fBwctob\fR(\fBwint_t\fR \fBIc\fR);
21 .fi
22 .LP
23 .nf
24 #include <stdio.h>
25 #include <wchar.h>
26 #include <xlocale.h>

28 \fBint\fR \fBwctob_l\fR(\fBwint_t\fR \fBIc\fR, \fBlocale_t\fR \fBIloc\fR);
29 .fi

30 .SH DESCRIPTION
24 .sp
31 .LP
32 The \fBwctob()\fR function determines whether \fBIc\fR corresponds to a member
33 of the extended character set whose character representation is a single byte
34 when in the initial shift state.
29 .sp
35 .LP
36 The behavior of \fBwctob()\fR is affected by the \fBLC_CTYPE\fR category of the
31 The behavior of this function is affected by the \fBLC_CTYPE\fR category of the
37 current locale. See \fBenviron\fR(5)
33 .sp
38 .LP
39 The function \fBwctob_l()\fR behaves identically to \fBwctob()\fR, except
40 instead of operating in the current locale, it operates in the locale
36 instead of operating in the current environemtn, it operates in the environment
41 specified by \fBIloc\fR.
42 .SH RETURN VALUES
39 .sp
43 .LP
44 These functions return \fBEOF\fR if \fBIc\fR does not correspond to
45 a character with length one in the initial shift state. Otherwise, they return
41 The \fBwctob()\fR function returns \fBEOF\fR if \fBIc\fR does not correspond to
42 a character with length one in the initial shift state. Otherwise, it returns
46 the single-byte representation of that character.
47 .SH ERRORS
45 .sp
48 .LP
49 No errors are defined.
50 .SH ATTRIBUTES

```

```

49 .sp
51 .LP
52 See \fBattributes\fR(5) for descriptions of the following attributes:
52 .sp

54 .sp
53 .TS
54 box;
55 c | c
56 l | l .
57 ATTRIBUTE TYPE      ATTRIBUTE VALUE
58 _
59 Interface Stability      See below
61 Interface Stability      Standard
60 _
61 MT-Level                MT-Safe
63 MT-Level                MT-Safe with exceptions
62 .TE

64 .LP
65 The \fBwctob()\fR function is Standard. The \fBwctob_l()\fR function
66 is Uncommitted.
67 .SH SEE ALSO
67 .sp
68 .LP
69 \fBbtowc\fR(3C), \fBnewlocale\fR(3C), \fBsetlocale\fR(3C), \fBuselocale\fR(3C),
70 \fBattributes\fR(5), \fBenviron\fR(5), \fBstandards\fR(5)
69 \fBbtowc\fR(3C), \fBsetlocale\fR(3C), \fBattributes\fR(5), \fBenviron\fR(5),
70 \fBstandards\fR(5)
71 .SH NOTES
72 .sp
73 .LP
74 The \fBwctob()\fR function can be used safely in multithreaded applications, as
75 long as \fBsetlocale\fR(3C) is not being called to change the locale.

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4213 Sun Jun 29 11:52:29 2014

new/usr/src/man/man3c/wctomb.3c

Garrett's man page edits.

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```

1  \" te
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3  .\" Copyright (c) 1992, X/Open Company Limited All Rights Reserved Portions C
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10 .\" When distributing Covered Code, include this CDDL HEADER in each file and in
11 .TH WCTOMB 3C "Jun 25, 2014"
12 .TH WCTOMB 3C "Aug 14, 2002"
13 .SH NAME
14 wctomb, wctomb_l \- convert a wide-character code to a character
15 .SH SYNOPSIS
16 .LP
17 #include <stdlib.h>
18
19 \fBint\fR \fBwctomb\fR(\fBchar *\fR\fIs\fR, \fBwchar_t\fR \fIwchar\fR);
20 .fi
21 .LP
22 .nf
23 #include <stdlib.h>
24 #include <xlocale.h>
25
26 \fBint\fR \fBwctomb_l\fR(\fBchar *\fR\fIs\fR, \fBwchar_t\fR \fIwchar\fR, \fBlocale_t\fR \fIloc_t\fR);
27 .fi
28
29 .SH DESCRIPTION
30 .sp
31 .LP
32 The \fBwctomb()\fR function determines the number of bytes needed to represent
33 the character corresponding to the wide-character code whose value is
34 \fIwchar\fR. It stores the character representation (possibly multiple bytes)
35 in the array object pointed to by \fIs\fR (if \fIs\fR is not a null pointer).
36 At most \fBMB_CUR_MAX\fR bytes are stored.
37 .sp
38 .LP
39 A call with \fIs\fR as a null pointer causes this function to return \fB0\fR.
40 The behavior of this function is affected by the \fBLC_CTYPE\fR category of the
41 current locale.
42 .sp
43 .LP
44 The function \fBwctomb_l()\fR behaves identically to \fBwctomb()\fR, except
45 instead of operating in the current locale, it operates in the locale
46 instead of operating in the current environment, it operates in the environment
47 specified by \fIloc_t\fR.
48 .SH RETURN VALUES
49 .sp
50 .LP
51 If \fIs\fR is a null pointer, \fBwctomb()\fR returns \fB0\fR value. If \fIs\fR
52 is not a null pointer, \fBwctomb()\fR returns \fB(mil)\fR if the value of
53 \fIwchar\fR does not correspond to a valid character, or returns the number of
54 bytes that constitute the character corresponding to the value of \fIwchar\fR.
55 .sp
56 .LP
57 In no case will the value returned be greater than the value of the
58 \fBMB_CUR_MAX\fR macro.
59 .SH ERRORS
60 .sp

```

```

53 .LP
54 No errors are defined.
55 .SH USAGE
56 .sp
57 .LP
58 The \fBwctomb()\fR function can be used safely in a multithreaded application,
59 as long as \fBsetlocale\fR(3C) is not being called to change the locale.
60 .SH ATTRIBUTES
61 .sp
62 .LP
63 See \fBattributes\fR(5) for descriptions of the following attributes:
64 .sp
65
66 .sp
67 .TS
68 box;
69 c | c
70 l | l .
71 ATTRIBUTE TYPE ATTRIBUTE VALUE
72
73
74 CSI Enabled
75
76 Interface Stability See below.
77 Interface Stability Standard
78
79
80 MT-Level MT-Safe
81 MT-Level MT-Safe with exceptions
82 .TE
83
84 .LP
85 The \fBwctomb()\fR function is Standard. The \fBwctomb_l()\fR function
86 is Uncommitted.
87 .SH SEE ALSO
88 .sp
89 .LP
90 \fBmbblen\fR(3C), \fBmbsrtowcs\fR(3C), \fBmbsrtowc\fR(3C),
91 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
92 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
93 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
94 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
95 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
96 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
97 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
98 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
99 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
100 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
101 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
102 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
103 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
104 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
105 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
106 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
107 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
108 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
109 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
110 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
111 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
112 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
113 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
114 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
115 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
116 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
117 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
118 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
119 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
120 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
121 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
122 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
123 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
124 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
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281 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
282 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
283 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
284 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
285 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
286 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
287 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
288 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
289 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
290 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
291 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
292 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
293 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
294 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
295 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
296 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
297 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
298 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
299 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
300 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
301 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
302 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
303 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
304 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
305 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
306 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
307 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
308 \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C), \fBmbsrtowc_l\fR(3C),
309 \fBmbsrtowc_l\fR
```



```

85 .B towctrans_l()
86 functions return the character that corresponds to the argument passed
87 through the mapping table described by
88 .IR desc .
89 Otherwise, they return the character unchanged and set
90 Otherwise, it returns the character unchanged and sets
91 .BR errno .

```

```

91 On successful completion,
92 .B wctrans()
93 and
94 .B wctrans_l()
95 functions return a non-zero identifier for
96 .IR tranclass .
100 .IR class .
97 On failure, they return zero and set
98 .BR errno .

```

```

99 .SH ERRORS
100 .LP
101 The
102 .B wctrans()
103 and
104 .B wctrans_l()
105 functions will fail if:
106 .TP
107 .B EINVAL
108 .sp
109 .ne 2
110 .na
111 .B EINAVL
112 .ad
113 .RS 10n
114 The mapping class specified by
115 .I tranclass
116 .I class
117 does not exist or is invalid.
118 .RE

```

```

111 .LP
112 The
113 .B towctrans()
114 and
115 .B towctrans_l()
116 functions will fail if:
117 .TP
118 .B EINVAL
119 .sp
120 .ne 2
121 .na
122 .B EINAVL
123 .ad
124 .RS 10n
125 The mapping class specified by
126 .I desc
127 .I desc
128 is invalid.
129 .RE

```

```

122 .SH ATTRIBUTES
123 .sp
124 .TS
125 box;
126 c | c
127 l | l .
128 ATTRIBUTE TYPE ATTRIBUTE VALUE

```

```

128 _
129 Interface Stability Standard
130 _
131 MT-Level MT-Safe
132 MT-Level Safe, with exceptions
133 .TE

```

```

134 .SH SEE ALSO
135 .BR duplocale (3C),
136 .BR newlocale (3C),
137 .BR setlocale (3C),
138 .BR towlower (3C),
139 .BR toupper (3C),
140 .BR environ (5),
141 .BR locale (5)

```

#### 162 .SH NOTES

```

164 The functions
165 .B towctrans()
166 and
167 .B wctrans()
168 are thread-safe as long as
169 the thread is employing a per-thread locale as set per
170 .Buselocale(3C)
171 or
172 .B setlocale(3C)
173 is not called by another thread while these functions are running.
174 Both
175 .B towctrans_l()
176 and
177 .B wctrans_l()
178 are MT-safe.

```

```

*****
4240 Sun Jun 29 11:52:30 2014
new/usr/src/man/man3c/wctype.3c
Garrett's man page edits.
*****
1 \" te
2 .\" Copyright 2014 Garrett D'Amore <garrett@damore.org>
3 .\" Copyright (c) 1992, X/Open Company Limited All Rights Reserved Portions C
4 .\" Sun Microsystems, Inc. gratefully acknowledges The Open Group for permission
5 .\" http://www.opengroup.org/bookstore/.
6 .\" The Institute of Electrical and Electronics Engineers and The Open Group, ha
7 .\" This notice shall appear on any product containing this material.
8 .\" The contents of this file are subject to the terms of the Common Development
9 .\" You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE or http:
10 .\" When distributing Covered Code, include this CDDL HEADER in each file and in
11 .TH WCTYPE 3C "Jun 25, 2014"
12 .TH WCTYPE 3C "Aug 14, 2002"
13 .SH NAME
14 wctype, wctype_l \- define character class
15 .SH SYNOPSIS
16 .LP
17 .nf
18 #include <wchar.h>
19 \fBwctype_t\fR \fBwctype\fR(\fBconst char *\fR\fIi\fRcharclass\fR);
20 .fi
21 .LP
22 .nf
23 \fBwctype_t\fR \fBwctype_l\fR(\fBconst char *\fR\fIi\fRcharclass\fR, \fBlocale_t\fR
24 .fi
25
26 .SH DESCRIPTION
27 .sp
28 The \fBwctype()\fR function is defined for valid character class names as
29 defined in the current locale. The \fIi\fRcharclass\fR is a string identifying a
30 generic character class for which codeset-specific type information is
31 required. The following character class names are defined in all locales:
32 .IP
33 .sp
34 .sp
35 .TS
36 l l l
37 l l l .
38 "alnum" "alpha" "blank"
39 "cntrl" "digit" "graph"
40 "lower" "print" "punct"
41 "space" "upper" "xdigit"
42 alnum alpha blank
43 cntrl digit graph
44 lower print punct
45 space upper xdigit
46 .TE
47
48 .sp
49 .LP
50 Additional character class names defined in the locale definition file
51 (category \fBLC_CTYPE\fR) can also be specified.
52 .sp
53 .LP
54 The function returns a value of type \fBwctype_t\fR, which can be used as the
55 second argument to subsequent calls of \fBiswctype\fR(3C). The \fBwctype()\fR
56 function determines values of \fBwctype_t\fR according to the rules of the coded
57 character set defined by character type information in the current locale
58 second argument to subsequent calls of \fBiswctype\fR(3C). \fBwctype()\fR

```

```

49 determines values of \fBwctype_t\fR according to the rules of the coded
50 character set defined by character type information in the program's locale
51 (category \fBLC_CTYPE\fR). The values returned by \fBwctype()\fR are valid
52 only in the locale, or locales with the same \fBLC_CTYPE\fR category.
53 until a call to \fBsetlocale\fR(3C) that modifies the category \fBLC_CTYPE\fR.
54 .sp
55 .LP
56 The function \fBwctype_l()\fR behaves identically to \fBwctype()\fR, except
57 instead of operating in the current locale, it operates in the locale
58 instead of operating in the current environemtn, it operates in the environment
59 specified by \fIi\fRloc\fR.
60 .SH RETURN VALUES
61 .sp
62 .LP
63 These functions return \fB0\fR if the given character class name
64 is not valid for the locale (category \fBLC_CTYPE\fR); otherwise it
65 The \fBwctype()\fR function returns \fB0\fR if the given character class name
66 is not valid for the current locale (category \fBLC_CTYPE\fR); otherwise it
67 returns an object of type \fBwctype_t\fR that can be used in calls to
68 \fBiswctype\fR(3C).
69 \fBiswctype()\fR.
70 .SH ATTRIBUTES
71 .sp
72 .LP
73 See \fBattributes\fR(5) for descriptions of the following attributes:
74 .sp
75
76 .sp
77 .TS
78 box;
79 c | c
80 l | l .
81 ATTRIBUTE TYPE ATTRIBUTE VALUE
82 _
83 CSI Enabled
84 _
85 Interface Stability Standard
86 _
87 MT-Level MT-Safe
88 MT-Level MT-Safe with exceptions
89 .TE
90
91 .SH SEE ALSO
92 .sp
93 .LP
94 \fBiswctype\fR(3C), \fBnewlocale\fR(3C), \fBsetlocale\fR(3C),
95 \fBuselocale\fR(3C),
96 \fBattributes\fR(5),
97 \fBiswctype\fR(3C), \fBsetlocale\fR(3C), \fBattributes\fR(5),
98 \fBstandards\fR(5)

```

\*\*\*\*\*

3730 Sun Jun 29 11:52:31 2014

new/usr/src/man/man3c/wcwidth.3c

Garrett's man page edits.

\*\*\*\*\*

```

1 \" te
2 .\" Copyright 2014 Garrett D'Amore <garrett@damore.org>
3 .\" Copyright (c) 1992, X/Open Company Limited. All Rights Reserved.
4 .\" Portions Copyright (c) 2002, Sun Microsystems, Inc. All Rights Reserved.
5 .\" Sun Microsystems, Inc. gratefully acknowledges The Open Group for permission
6 .\" http://www.opengroup.org/bookstore/.
7 .\" The Institute of Electrical and Electronics Engineers and The Open Group, ha
8 .\" This notice shall appear on any product containing this material.
9 .\" The contents of this file are subject to the terms of the Common Development
10 .\" You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE or http:
11 .\" When distributing Covered Code, include this CDDL HEADER in each file and in
12 .TH WCWIDTH 3C "Jun 25, 2014"
13 .TH WCWIDTH 3C "Aug 14, 2002"
14 .SH NAME
15 wcwidth, wcwidth_1 \- number of column positions of a wide-character code
16 .SH SYNOPSIS
17 .LP
18 #include <wchar.h>

20 \fBint\fR \fBwcwidth\fR(\fBwchar_t\fR \fBIwc\fR);
21 .fi
22 .LP
23 .nf
24 #include <wchar.h>
25 #include <xlocale.h>

27 \fBint\fR \fBwcwidth_1\fR(\fBwchar_t\fR \fBIwc\fR, \fBlocale_t\fR \fIiloc\fR);
28 .fi

29 .SH DESCRIPTION
30 .sp
31 .LP
32 The \fBwcwidth()\fR function determines the number of column positions required
33 for the wide character \fBIwc\fR. The value of \fBIwc\fR must be a character
34 representable as a \fBwchar_t\fR, and must be a wide-character code
35 corresponding to a valid character in the current locale.
36 .sp
37 .LP
38 The function \fBwcwidth_1()\fR behaves identically to \fBwcwidth()\fR, except
39 instead of operating in the current locale, it operates in the locale
40 instead of operating in the current environemtn, it operates in the environment
41 specified by \fIiloc\fR.
42 .SH RETURN VALUES
43 .SH RETURN VALUES
44 .sp
45 .LP
46 These functions either return \fB0\fR (if \fBIwc\fR is a null
47 wide-character code), or the number of column positions to be occupied
48 by the wide-character code \fBIwc\fR, or \fB(mil)\fR (if \fBIwc\fR does
49 The \fBwcwidth()\fR function either returns \fB0\fR (if \fBIwc\fR is a null
50 wide-character code), or returns the number of column positions to be occupied
51 by the wide-character code \fBIwc\fR, or returns \fB(mil)\fR (if \fBIwc\fR does
52 not correspond to a printing wide-character code).
53 .SH ERRORS
54 .sp
55 .LP
56 No errors are defined.
57 .SH ATTRIBUTES
58 .sp
59 .LP

```

50 See \fBattributes\fR(5) for descriptions of the following attributes:

51 .sp

52 .sp

53 .TS

54 box;

55 c | c

56 l | l .

57 ATTRIBUTE TYPE ATTRIBUTE VALUE

58 \_

59 CSI Enabled

60 \_

61 **Interface Stability** See below.

62 *Interface Stability* Standard

63 \_

64 **MT-Level** MT-Safe

65 *MT-Level* MT-Safe with exceptions

66 .TE

67 .LP

68 **The \fBwcwidth()\fR function is Standard. The \fBwcwidth\_1()\fR function**

69 **is Uncommitted.**

70 .SH SEE ALSO

71 .sp

72 .LP

73 \fBnewlocale\fR(3C), \fBsetlocale\fR(3C), \fBuselocale\fR(3C),

74 \fBwcwidth\fR(3C), \fBattributes\fR(5),

75 \fBsetlocale\fR(3C), \fBwcwidth\fR(3C), \fBattributes\fR(5),

76 \fBstandards\fR(5)

```

*****
7568 Sun Jun 29 11:52:31 2014
new/usr/src/man/man3head/Makefile
Garrett's man page edits.
*****
1 #
2 # This file and its contents are supplied under the terms of the
3 # Common Development and Distribution License ("CDDL"), version 1.0.
4 # You may only use this file in accordance with the terms of version
5 # 1.0 of the CDDL.
6 #
7 # A full copy of the text of the CDDL should have accompanied this
8 # source. A copy of the CDDL is also available via the Internet
9 # at http://www.illumos.org/license/CDDL.
10 #
12 #
13 # Copyright 2011, Richard Lowe
14 # Copyright 2013 Nexenta Systems, Inc. All rights reserved.
15 #
17 include $(SRC)/Makefile.master
19 MANSECT= 3head
21 MANFILES= acct.h.3head //
22 aio.h.3head //
23 ar.h.3head //
24 archives.h.3head //
25 assert.h.3head //
26 complex.h.3head //
27 cpio.h.3head //
28 dirent.h.3head //
29 errno.h.3head //
30 fcntl.h.3head //
31 fenv.h.3head //
32 float.h.3head //
33 floatingpoint.h.3head //
34 fmtmsg.h.3head //
35 fnmatch.h.3head //
36 ftw.h.3head //
37 glob.h.3head //
38 grp.h.3head //
39 iconv.h.3head //
40 if.h.3head //
41 in.h.3head //
42 inet.h.3head //
43 inttypes.h.3head //
44 ipc.h.3head //
45 iso646.h.3head //
46 langinfo.h.3head //
47 libgen.h.3head //
48 libintl.h.3head //
49 limits.h.3head //
50 locale.h.3head //
51 math.h.3head //
52 mman.h.3head //
53 monetary.h.3head //
54 mqueue.h.3head //
55 msg.h.3head //
56 ndbm.h.3head //
57 netdb.h.3head //
58 nl_types.h.3head //
59 poll.h.3head //
60 pthread.h.3head //
61 pwd.h.3head //

```

```

62 regex.h.3head //
63 resource.h.3head //
64 sched.h.3head //
65 search.h.3head //
66 select.h.3head //
67 sem.h.3head //
68 semaphore.h.3head //
69 setjmp.h.3head //
70 shm.h.3head //
71 siginfo.h.3head //
72 signal.h.3head //
73 socket.h.3head //
74 spawn.h.3head //
75 stat.h.3head //
76 statvfs.h.3head //
77 stdbool.h.3head //
78 stddef.h.3head //
79 stdint.h.3head //
80 stdio.h.3head //
81 stdlib.h.3head //
82 string.h.3head //
83 strings.h.3head //
84 stropts.h.3head //
85 syslog.h.3head //
86 tar.h.3head //
87 tcp.h.3head //
88 termios.h.3head //
89 tgmath.h.3head //
90 time.h.3head //
91 timeb.h.3head //
92 times.h.3head //
93 types.h.3head //
94 types32.h.3head //
95 ucontext.h.3head //
96 uio.h.3head //
97 ulimit.h.3head //
98 un.h.3head //
99 unistd.h.3head //
100 utime.h.3head //
101 utmpx.h.3head //
102 utsname.h.3head //
103 values.h.3head //
104 wait.h.3head //
105 wchar.h.3head //
106 wctype.h.3head //
107 wordexp.h.3head //
108 xlocale.h.3head //
107 wordexp.h.3head //
110 MANLINKS= acct.3head //
111 aio.3head //
112 ar.3head //
113 archives.3head //
114 assert.3head //
115 complex.3head //
116 cpio.3head //
117 dirent.3head //
118 errno.3head //
119 fcntl.3head //
120 fenv.3head //
121 float.3head //
122 floatingpoint.3head //
123 fmtmsg.3head //
124 fnmatch.3head //
125 ftw.3head //
126 glob.3head //

```



```

127     grp.3head //
128     iconv.3head //
129     if.3head //
130     in.3head //
131     inet.3head //
132     inttypes.3head //
133     ipc.3head //
134     iso646.3head //
135     langinfo.3head //
136     libgen.3head //
137     libintl.3head //
138     limits.3head //
139     locale.3head //
140     math.3head //
141     mman.3head //
142     monetary.3head //
143     mqueue.3head //
144     msg.3head //
145     ndbm.3head //
146     netdb.3head //
147     nl_types.3head //
148     poll.3head //
149     pthread.3head //
150     pwd.3head //
151     regex.3head //
152     resource.3head //
153     sched.3head //
154     search.3head //
155     select.3head //
156     sem.3head //
157     semaphore.3head //
158     setjmp.3head //
159     shm.3head //
160     siginfo.3head //
161     signal.3head //
162     socket.3head //
163     spawn.3head //
164     stat.3head //
165     statvfs.3head //
166     stdbool.3head //
167     stddef.3head //
168     stdint.3head //
169     stdio.3head //
170     stdlib.3head //
171     string.3head //
172     strings.3head //
173     stropts.3head //
174     syslog.3head //
175     tar.3head //
176     tcp.3head //
177     termios.3head //
178     tgmath.3head //
179     time.3head //
180     timeb.3head //
181     times.3head //
182     types.3head //
183     types32.3head //
184     ucontext.3head //
185     uio.3head //
186     ulimit.3head //
187     un.3head //
188     unistd.3head //
189     utime.3head //
190     utmpx.3head //
191     utsname.3head //
192     values.3head //

```

```

193     wait.3head //
194     wchar.3head //
195     wctype.3head //
196     wordexp.3head //
197     xlocale.3head //
198     wordexp.3head //
199     acct.3head := LINKSRC = acct.h.3head
200     aio.3head := LINKSRC = aio.h.3head
201     ar.3head := LINKSRC = ar.h.3head
202     archives.3head := LINKSRC = archives.h.3head
203     assert.3head := LINKSRC = assert.h.3head
204     complex.3head := LINKSRC = complex.h.3head
205     cpio.3head := LINKSRC = cpio.h.3head
206     dirent.3head := LINKSRC = dirent.h.3head
207     errno.3head := LINKSRC = errno.h.3head
208     fcntl.3head := LINKSRC = fcntl.h.3head
209     fenv.3head := LINKSRC = fenv.h.3head
210     float.3head := LINKSRC = float.h.3head
211     floatingpoint.3head := LINKSRC = floatingpoint.h.3head
212     fmtmsg.3head := LINKSRC = fmtmsg.h.3head
213     fnmatch.3head := LINKSRC = fnmatch.h.3head
214     ftw.3head := LINKSRC = ftw.h.3head
215     glob.3head := LINKSRC = glob.h.3head
216     grp.3head := LINKSRC = grp.h.3head
217     iconv.3head := LINKSRC = iconv.h.3head
218     if.3head := LINKSRC = if.h.3head
219     in.3head := LINKSRC = in.h.3head
220     inet.3head := LINKSRC = inet.h.3head
221     inttypes.3head := LINKSRC = inttypes.h.3head
222     ipc.3head := LINKSRC = ipc.h.3head
223     iso646.3head := LINKSRC = iso646.h.3head
224     langinfo.3head := LINKSRC = langinfo.h.3head
225     libgen.3head := LINKSRC = libgen.h.3head
226     libintl.3head := LINKSRC = libintl.h.3head
227     limits.3head := LINKSRC = limits.h.3head
228     locale.3head := LINKSRC = locale.h.3head
229     math.3head := LINKSRC = math.h.3head
230     mman.3head := LINKSRC = mman.h.3head
231     monetary.3head := LINKSRC = monetary.h.3head
232     mqueue.3head := LINKSRC = mqueue.h.3head
233     msg.3head := LINKSRC = msg.h.3head
234     ndbm.3head := LINKSRC = ndbm.h.3head
235     netdb.3head := LINKSRC = netdb.h.3head
236     nl_types.3head := LINKSRC = nl_types.h.3head
237     poll.3head := LINKSRC = poll.h.3head
238     pthread.3head := LINKSRC = pthread.h.3head
239     pwd.3head := LINKSRC = pwd.h.3head
240     regex.3head := LINKSRC = regex.h.3head
241     resource.3head := LINKSRC = resource.h.3head
242     sched.3head := LINKSRC = sched.h.3head
243     search.3head := LINKSRC = search.h.3head
244     select.3head := LINKSRC = select.h.3head
245     sem.3head := LINKSRC = sem.h.3head
246     semaphore.3head := LINKSRC = semaphore.h.3head
247     setjmp.3head := LINKSRC = setjmp.h.3head
248     shm.3head := LINKSRC = shm.h.3head
249     siginfo.3head := LINKSRC = siginfo.h.3head
250     signal.3head := LINKSRC = signal.h.3head
251     socket.3head := LINKSRC = socket.h.3head
252     spawn.3head := LINKSRC = spawn.h.3head
253     stat.3head := LINKSRC = stat.h.3head
254     statvfs.3head := LINKSRC = statvfs.h.3head
255     stdbool.3head := LINKSRC = stdbool.h.3head
256     stddef.3head := LINKSRC = stddef.h.3head
257     stdint.3head := LINKSRC = stdint.h.3head

```

```
258 stdio.3head      := LINKSRC = stdio.h.3head
259 stdlib.3head     := LINKSRC = stdlib.h.3head
260 string.3head      := LINKSRC = string.h.3head
261 strings.3head     := LINKSRC = strings.h.3head
262 strops.3head      := LINKSRC = strops.h.3head
263 syslog.3head      := LINKSRC = syslog.h.3head
264 tar.3head         := LINKSRC = tar.h.3head
265 tcp.3head         := LINKSRC = tcp.h.3head
266 termios.3head     := LINKSRC = termios.h.3head
267 tgmth.3head       := LINKSRC = tgmth.h.3head
268 time.3head        := LINKSRC = time.h.3head
269 timeb.3head       := LINKSRC = timeb.h.3head
270 times.3head       := LINKSRC = times.h.3head
271 types.3head       := LINKSRC = types.h.3head
272 types32.3head     := LINKSRC = types32.h.3head
273 ucontext.3head    := LINKSRC = ucontext.h.3head
274 uio.3head         := LINKSRC = uio.h.3head
275 ulimit.3head      := LINKSRC = ulimit.h.3head
276 un.3head          := LINKSRC = un.h.3head
277 unistd.3head      := LINKSRC = unistd.h.3head
278 utime.3head       := LINKSRC = utime.h.3head
279 utmpx.3head       := LINKSRC = utmpx.h.3head
280 utsname.3head     := LINKSRC = utsname.h.3head
281 values.3head      := LINKSRC = values.h.3head
282 wait.3head        := LINKSRC = wait.h.3head
283 wchar.3head       := LINKSRC = wchar.h.3head
284 wctype.3head      := LINKSRC = wctype.h.3head
285 wordexp.3head     := LINKSRC = wordexp.h.3head
286 xlocale.3head    := LINKSRC = xlocale.h.3head
288 .KEEP_STATE:
290 include           $(SRC)/man/Makefile.man
292 install:          $(ROOTMANFILES) $(ROOTMANLINKS)
```

```

*****
4826 Sun Jun 29 11:52:32 2014
new/usr/src/man/man3head/locale.h.3head
Garrett's man page edits.
*****
1 \" te
2.\" Copyright (c) 2001, The IEEE and The Open Group. All Rights Reserved. Portio
3.\" Copyright (c) 2014, Joyent, Inc. All rights reserved.
4.\" Copyright 2014 Garrett D'Amore <garrett@damore.org>
5.\" Sun Microsystems, Inc. gratefully acknowledges The Open Group for permission
6.\" http://www.opengroup.org/bookstore/.
7.\" The Institute of Electrical and Electronics Engineers and The Open Group, ha
8.\" This notice shall appear on any product containing this material.
9.\" The contents of this file are subject to the terms of the Common Development
10.\" You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE or http:
11.\" When distributing Covered Code, include this CDDL HEADER in each file and in
12.TH LOCALE.H 3HEAD "Jun 23, 2004"
13.SH NAME
14 locale.h, locale \- category macros
15 .SH SYNOPSIS
16 .LP
17 .nf
18 #include <\fBlocale.h\fR>
19 .fi

20 .SH DESCRIPTION
21 .sp
22 The <\fBlocale.h\fR> header provides a definition for the \fBconv\fR
23 structure, which includes the following members. (See the definition of
24 \fBLC_MONETARY\fR in \fBlocale\fR(5).)
25 .sp
26 .in +2
27 .nf
28 char      *currency_symbol
29 char      *decimal_point
30 char      frac_digits
31 char      *grouping
32 char      *int_curr_symbol
33 char      int_frac_digits
34 char      int_n_cs_precedes
35 char      int_n_sep_by_space
36 char      int_n_sign_posn
37 char      int_p_cs_precedes
38 char      int_p_sep_by_space
39 char      int_p_sign_posn
40 char      *mon_decimal_point
41 char      *mon_grouping
42 char      *mon_thousands_sep
43 char      *negative_sign
44 char      n_cs_precedes
45 char      n_sep_by_space
46 char      n_sign_posn
47 char      *positive_sign
48 char      p_cs_precedes
49 char      p_sep_by_space
50 char      p_sign_posn
51 char      *thousands_sep
52 .fi
53 .in -2

56 .sp
54 .LP
55 The <\fBlocale.h\fR> header defines \fBNULL\fR (as defined in <\fBstddef.h\fR>)
56 and the following as macros:

```

```

57 .sp
58 .in +2
59 .nf
60 LC_ALL
61 LC_COLLATE
62 LC_CTYPE
63 LC_MESSAGES
64 LC_MONETARY
65 LC_NUMERIC
66 LC_TIME
67 .fi
68 .in -2

73 .sp
69 .LP
70 The preceding expand to distinct integer constant expressions, for use as the
71 first argument to the \fBsetlocale()\fR function. See \fBsetlocale\fR(3C).
72 .LP
73 The <\fBlocale.h\fR> header also defines the following macros, for use with
74 \fBnewlocale\fR(3C):
75 .sp
76 .in +2
77 .nf
78 LC_ALL_MASK
79 LC_COLLATE_MASK
80 LC_CTYPE_MASK
81 LC_MESSAGES_MASK
82 LC_MONETARY_MASK
83 LC_NUMERIC_MASK
84 LC_TIME_MASK
85 .fi
86 .in -2
87 .LP
88 In addition, to facilitate the use of per-thread locales with the
89 .BR uselocale (3C)
90 function, the
91 .RB < locale.h >
92 header defines the following type and macro:
93 .sp
94 .in +2
95 .nf
96 locale_t
97 .fi
98 .in -2
99 .sp
100 .RS 6n
101 An opaque type that refers to a locale constructed through the use of
102 the
103 .BR newlocale (3C)
104 function.
105 .RE

107 .sp
108 .in +2
109 .nf
110 LC_GLOBAL_LOCALE
111 .fi
112 .in -2
113 .sp
114 .RS 6n
115 A macro which expands to a
116 .B locale_t
117 that represents the current global locale as set by
118 .BR setlocale (3C).
119 .RE

```

```
112 .sp
121 .LP
122 Additional macro definitions, beginning with the characters \fBLC_\fR and an
123 uppercase letter, can also be specified here.
124 .SH ATTRIBUTES
117 .sp
125 .LP
126 See \fBattributes\fR(5) for descriptions of the following attributes:
120 .sp

122 .sp
127 .TS
128 box;
129 c | c
130 l | l .
131 ATTRIBUTE TYPE ATTRIBUTE VALUE
132 _
133 Interface Stability Standard
134 .TE

136 .SH SEE ALSO
137 .sp
138 .LP
139 .BR newlocale (3C),
140 .BR setlocale (3C),
141 .BR uselocale (3C),
142 .BR localeconv (3C),
143 .BR stddef.h (3HEAD),
144 .BR attributes (5),
145 .BR locale (5),
146 .BR standards (5)
```

```
*****
1421 Sun Jun 29 11:52:35 2014
new/usr/src/man/man3head/xlocale.h.3head
Garrett's man page edits.
*****
```

```
1  \" te
2  \"
3  \" This file and its contents are supplied under the terms of the
4  \" Common Development and Distribution License (\"CDDL\"), version 1.0.
5  \" You may only use this file in accordance with the terms of version
6  \" 1.0 of the CDDL.
7  \"
8  \" A full copy of the text of the CDDL should have accompanied this
9  \" source. A copy of the CDDL is also available via the Internet at
10 \" http://www.illumos.org/license/CDDL.
11 \"
12 \"
13 \" Copyright 2014 Garrett D'Amore <garrett@damore.org>
14 \"
15 .TH XLOCALE.H 3HEAD \"Jun 26, 2014\"
16 .SH NAME
17 xlocale.h, xlocale \- extended locale support
18 .SH SYNOPSIS
19 .LP
20 .nf
21 #include <fBxlocale.h\fr>
22 .fi
23 .SH DESCRIPTION
24 .LP
25 The
26 .RB < xlocale.h >
27 header supplies prototypes for various functions that operate
28 using the
29 .B locale_t
30 structure but which are not specified as part of any formal standard.
31 Their location in this header follows the convention established by
32 other operating systems.
33 .LP
34 As none of the definitions supplied in this header, nor this
35 header itself, are specified in any standard, their use should
36 be avoided in portable applications.
37 .SH ATTRIBUTES
38 .LP
39 See
40 .BR attributes (5)
41 for descriptions of the following attributes:
42 .TS
43 box;
44 c | c
45 l | l .
46 ATTRIBUTE TYPE ATTRIBUTE VALUE
47 _
48 Interface Stability Uncommitted
49 .TE
51 .SH SEE ALSO
52 .LP
53 .BR newlocale (3C),
54 .BR setlocale (3C),
55 .BR uselocale (3C),
56 .BR locale (3HEAD),
57 .BR attributes (5),
58 .BR locale (5),
59 .BR standards (5)
```

\*\*\*\*\*

16233 Sun Jun 29 11:52:37 2014

new/usr/src/man/man5/environ.5

Garrett's man page edits.

\*\*\*\*\*

```

1 \" te
2.\" Copyright 1989 AT&T
3.\" Copyright (c) 2002, Sun Microsystems, Inc. All Rights Reserved
4.\" Copyright (c) 2014, Joyent, Inc. All Rights Reserved
5.\" Copyright 2014 Garrett D'Amore <garrett@damore.org>
6.\" The contents of this file are subject to the terms of the Common Development
7.\" You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE or http:
8.\" When distributing Covered Code, include this CDDL HEADER in each file and in
9.\"TH ENVIRON 5 "Jun 26, 2014"
10.\"TH ENVIRON 5 "Nov 19, 2002"
11.SH NAME
12 environ \- user environment
13.SH DESCRIPTION
14 .sp
15.LP
16 When a process begins execution, one of the \fBexec\fR family of functions
17 makes available an array of strings called the environment; see \fBexec\fR(2).
18 By convention, these strings have the form \fIvariable=value\fR, for example,
19 \fBPATH=/sbin:/usr/sbin\fR. These environmental variables provide a way to make
20 information about a program's environment available to programs.
21 .sp
22.LP
23 A name may be placed in the environment by the \fBexport\fR command and
24 \fIname\fR=\fIvalue\fR arguments in \fBsh\fR(1), or by one of the \fBexec\fR
25 functions. It is unwise to conflict with certain shell variables such as
26 \fBMAIL\fR, \fBPS1\fR, \fBPS2\fR, and \fBIFS\fR that are frequently exported by
27 \fB&.profile\fR files; see \fBprofile\fR(4).
28 .sp
29.LP
30 The following environmental variables can be used by applications and are
31 expected to be set in the target run-time environment.
32 .sp
33.ne 2
34.na
35 \fB\fbHOME\fR
36 .ad
37 .sp .6
38 .RS 4n
39 The name of the user's login directory, set by \fBlogin\fR(1) from the password
40 file; see \fBpasswd\fR(4).
41 .RE
42 .sp
43.ne 2
44.na
45 \fB\fbLANG\fR
46 .ad
47 .sp .6
48 .RS 4n
49 The string used to specify internationalization information that allows users
50 to work with different national conventions. The \fBsetlocale\fR(3C) and
51 \fBnewlocale\fR(3C) functions
52 check the \fBLANG\fR environment variable when they are called with \fB""\fR as
53 to work with different national conventions. The \fBsetlocale\fR(3C) function
54 checks the \fBLANG\fR environment variable when it is called with \fB""\fR as
55 the \fBlocale\fR argument. \fBLANG\fR is used as the default locale if the
56 corresponding environment variable for a particular category is unset or null.
57 If, however, \fBLC_ALL\fR is set to a valid, non-empty value, its contents are
58 used to override both the \fBLANG\fR and the other \fBLC_*\fR variables. For
59 example, when invoked as \fBsetlocale(LC_CTYPE, "")\fR, \fBsetlocale()\fR will
60 query the \fBLC_CTYPE\fR environment variable first to see if it is set and

```

```

56 non-null. If \fBLC_CTYPE\fR is not set or null, then \fBsetlocale()\fR will
57 check the \fBLANG\fR environment variable to see if it is set and non-null. If
58 both \fBLANG\fR and \fBLC_CTYPE\fR are unset or \fBNULL\fR, the default "C"
59 locale will be used to set the \fBLC_CTYPE\fR category.
60 .sp
61 Most commands will invoke \fBsetlocale(LC_ALL, "")\fR prior to any other
62 processing. This allows the command to be used with different national
63 conventions by setting the appropriate environment variables. In addition, some
64 commands will use
65 .BR uselocale (3C)
66 to set a thread-specific locale.
67 to set a specific locale for operations performed in a single thread.
68 .sp
69 The following environment variables correspond to each category of
70 \fBsetlocale\fR(3C):
71 .sp
72.ne 2
73.na
74 \fB\fbLC_ALL\fR
75 .ad
76 .sp .6
77 .RS 4n
78 If set to a valid, non-empty string value, override the values of \fBLANG\fR
79 and all the other \fBLC_*\fR variables.
80 .RE
81 .sp
82.ne 2
83.na
84 \fB\fbLC_COLLATE\fR
85 .ad
86 .sp .6
87 .RS 4n
88 This category specifies the character collation sequence being used. The
89 information corresponding to this category is stored in a database created by
90 the \fBlocaledef\fR(1) command. This environment variable affects
91 \fBstrcoll\fR(3C) and \fBstrxfrm\fR(3C).
92 .RE
93 .sp
94.ne 2
95.na
96 \fB\fbLC_CTYPE\fR
97 .ad
98 .sp .6
99 .RS 4n
100 This category specifies character classification, character conversion, and
101 widths of multibyte characters. When \fBLC_CTYPE\fR is set to a valid value,
102 the calling utility can display and handle text and file names containing valid
103 characters for that locale; Extended Unix Code (EUC) characters where any
104 individual character can be 1, 2, or 3 bytes wide; and EUC characters of 1, 2,
105 or 3 column widths. The default "C" locale corresponds to the 7-bit \fBASCII\fR
106 character set; only characters from ISO 8859-1 are valid. The information
107 corresponding to this category is stored in a database created by the
108 \fBlocaledef()\fR command. This environment variable is used by
109 \fBctype\fR(3C), \fBmblen\fR(3C), and many commands, such as \fBcat\fR(1),
110 \fBbed\fR(1), \fBls\fR(1), and \fBvi\fR(1).
111 .RE
112 .sp
113.ne 2
114.na
115 \fB\fbLC_MESSAGES\fR
116 .ad
117 .sp .6
118 .RS 4n

```

121 This category specifies the language of the message database being used. For  
 122 example, an application may have one message database with French messages, and  
 123 another database with German messages. Message databases are created by the  
 124 `\fBmkmsgs\fR(1)` command. This environment variable is used by `\fBexstr\fR(1)`,  
 125 `\fBgettext\fR(1)`, `\fBsrchtxt\fR(1)`, `\fBgettext\fR(3C)`, and `\fBgettext\fR(3C)`.  
 126 .RE

128 .sp  
 129 .ne 2  
 130 .na  
 131 `\fB\fBLC_MONETARY\fR\fR`  
 132 .ad  
 133 .sp .6  
 134 .RS 4n  
 135 This category specifies the monetary symbols and delimiters used for a  
 136 particular locale. The information corresponding to this category is stored in  
 137 a database created by the `\fBlocaledef\fR(1)` command. This environment variable  
 138 is used by `\fBlocaleconv\fR(3C)`.  
 139 .RE

141 .sp  
 142 .ne 2  
 143 .na  
 144 `\fB\fBLC_NUMERIC\fR\fR`  
 145 .ad  
 146 .sp .6  
 147 .RS 4n  
 148 This category specifies the decimal and thousands delimiters. The information  
 149 corresponding to this category is stored in a database created by the  
 150 `\fBlocaledef()\fR` command. The default `\fBC\fR` locale corresponds to `\fB"."\fR`  
 151 as the decimal delimiter and no thousands delimiter. This environment variable  
 152 is used by `\fBlocaleconv\fR(3C)`, `\fBprintf\fR(3C)`, and `\fBstrtod\fR(3C)`.  
 153 .RE

155 .sp  
 156 .ne 2  
 157 .na  
 158 `\fB\fBLC_TIME\fR\fR`  
 159 .ad  
 160 .sp .6  
 161 .RS 4n  
 162 This category specifies date and time formats. The information corresponding to  
 163 this category is stored in a database specified in `\fBlocaledef()\fR`. The  
 164 default `\fBC\fR` locale corresponds to U.S. date and time formats. This  
 165 environment variable is used by many commands and functions; for example:  
 166 `\fBbat\fR(1)`, `\fBcalendar\fR(1)`, `\fBdate\fR(1)`, `\fBstrftime\fR(3C)`, and  
 167 `\fBgetdate\fR(3C)`.  
 168 .RE

170 .RE

172 .sp  
 173 .ne 2  
 174 .na  
 175 `\fB\fBMSGVERB\fR\fR`  
 176 .ad  
 177 .sp .6  
 178 .RS 4n  
 179 Controls which standard format message components `\fBfmtmsg\fR` selects when  
 180 messages are displayed to `\fBstderr\fR`; see `\fBfmtmsg\fR(1)` and  
 181 `\fBfmtmsg\fR(3C)`.  
 182 .RE

184 .sp  
 185 .ne 2  
 186 .na

187 `\fB\fBNETPATH\fR\fR`  
 188 .ad  
 189 .sp .6  
 190 .RS 4n  
 191 A colon-separated list of network identifiers. A network identifier is a  
 192 character string used by the Network Selection component of the system to  
 193 provide application-specific default network search paths. A network identifier  
 194 must consist of non-null characters and must have a length of at least 1. No  
 195 maximum length is specified. Network identifiers are normally chosen by the  
 196 system administrator. A network identifier is also the first field in any  
 197 `\fB/etc/netconfig\fR` file entry. `\fBNETPATH\fR` thus provides a link into the  
 198 `\fB/etc/netconfig\fR` file and the information about a network contained in that  
 199 network's entry. `\fB/etc/netconfig\fR` is maintained by the system  
 200 administrator. The library routines described in `\fBgetnetpath\fR(3NSL)` access  
 201 the `\fBNETPATH\fR` environment variable.  
 202 .RE

204 .sp  
 205 .ne 2  
 206 .na  
 207 `\fB\fBNLSPATH\fR\fR`  
 208 .ad  
 209 .sp .6  
 210 .RS 4n  
 211 Contains a sequence of templates which `\fBcatopen\fR(3C)` and `\fBgettext\fR(3C)`  
 212 use when attempting to locate message catalogs. Each template consists of an  
 213 optional prefix, one or more substitution fields, a filename and an optional  
 214 suffix. For example:  
 215 .sp  
 216 .in +2  
 217 .nf  
 218 NLSPATH="/system/nlslib/%N.cat"  
 219 .fi  
 220 .in -2  
 221 .sp

223 defines that `\fBcatopen()\fR` should look for all message catalogs in the  
 224 directory `\fB/system/nlslib\fR`, where the catalog name should be constructed  
 225 from the `\fIname\fR` parameter passed to `\fBcatopen\fR(\fR)`, `\fB%N\fR`, with the  
 226 suffix `\fB&.cat\fR`.  
 227 .sp  
 228 Substitution fields consist of a `\fB%\fR` symbol, followed by a single-letter  
 229 keyword. The following keywords are currently defined:  
 230 .sp  
 231 .ne 2  
 232 .na  
 233 `\fB%N\fR`  
 234 .ad  
 235 .sp .6  
 236 .RS 4n  
 237 The value of the `\fIname\fR` parameter passed to `\fBcatopen()\fR`.  
 238 .RE

240 .sp  
 241 .ne 2  
 242 .na  
 243 `\fB%L\fR`  
 244 .ad  
 245 .sp .6  
 246 .RS 4n  
 247 The value of `\fBLANG\fR` or `\fBLC_MESSAGES\fR`.  
 248 .RE

250 .sp  
 251 .ne 2  
 252 .na

```

253 \fB%l\fR
254 .ad
255 .sp .6
256 .RS 4n
257 The language element from \fBLANG\fR or \fBLC_MESSAGES\fR.
258 .RE

260 .sp
261 .ne 2
262 .na
263 \fB%t\fR
264 .ad
265 .sp .6
266 .RS 4n
267 The territory element from \fBLANG\fR or \fBLC_MESSAGES\fR.
268 .RE

270 .sp
271 .ne 2
272 .na
273 \fB%c\fR
274 .ad
275 .sp .6
276 .RS 4n
277 The codeset element from \fBLANG\fR or \fBLC_MESSAGES\fR.
278 .RE

280 .sp
281 .ne 2
282 .na
283 \fB%%\fR
284 .ad
285 .sp .6
286 .RS 4n
287 A single \fB%\fR character.
288 .RE

290 An empty string is substituted if the specified value is not currently defined.
291 The separators "\fB_\fR" and "\fB&.\fR" are not included in \fB%t\fR and
292 \fB%c\fR substitutions.
293 .sp
294 Templates defined in \fBNLSPATH\fR are separated by colons (\fB:\fR). A leading
295 colon or two adjacent colons (\fB::\fR) is equivalent to specifying \fB%N\fR.
296 For example:
297 .sp
298 .in +2
299 .nf
300 NLSPATH=":%N.cat:/nlslib/%L/%N.cat"
301 .fi
302 .in -2
303 .sp

305 indicates to \fBcatopen()\fR that it should look for the requested message
306 catalog in \fIname\fR, \fIname\fR\fB&.cat\fR and
307 \fB/nlslib/$LANG/\fR\fIname\fR.cat. For \fBgettext()\fR, \fB%N\fR automatically
308 maps to "messages".
309 .sp
310 If \fBNLSPATH\fR is unset or \fINULL\fR, \fBcatopen()\fR and \fBgettext()\fR
311 call \fBsetlocale\fR(3C), which checks \fBLANG\fR and the \fBLC_*\fR
312 variables to locate the message catalogs.
313 .sp
314 \fBNLSPATH\fR will normally be set up on a system wide basis (in
315 \fB/etc/profile\fR) and thus makes the location and naming conventions
316 associated with message catalogs transparent to both programs and users.
317 .RE

```

```

319 .sp
320 .ne 2
321 .na
322 \fB\FBPATH\fR\fR
323 .ad
324 .sp .6
325 .RS 4n
326 The sequence of directory prefixes that \fBsh\fR(1), \fBtime\fR(1),
327 \fBnice\fR(1), \fBnohup\fR(1), and other utilities apply in searching for a
328 file known by an incomplete path name. The prefixes are separated by colons
329 (\fB:\fR). \fBlogin\fR(1) sets \fBPATH=/usr/bin\fR. For more detail, see
330 \fBsh\fR(1).
331 .RE

333 .sp
334 .ne 2
335 .na
336 \fB\FBSEV_LEVEL\fR\fR
337 .ad
338 .sp .6
339 .RS 4n
340 Define severity levels and associate and print strings with them in standard
341 format error messages; see \fBaddseverity\fR(3C), \fBfmtmsg\fR(1), and
342 \fBfmtmsg\fR(3C).
343 .RE

345 .sp
346 .ne 2
347 .na
348 \fB\FBTERM\fR\fR
349 .ad
350 .sp .6
351 .RS 4n
352 The kind of terminal for which output is to be prepared. This information is
353 used by commands, such as \fBvi\fR(1), which may exploit special capabilities
354 of that terminal.
355 .RE

357 .sp
358 .ne 2
359 .na
360 \fB\FBTZ\fR\fR
361 .ad
362 .sp .6
363 .RS 4n
364 Timezone information. The contents of this environment variable are used by the
365 functions \fBctime\fR(3C), \fBlocaltime\fR(3C), \fBstrptime\fR(3C), and
366 \fBmktime\fR(3C) to override the default timezone. The value of \fBTZ\fR has
367 one of the two formats (spaces inserted for clarity):
368 .sp
369 .in +2
370 .nf
371 :characters
372 .fi
373 .in -2

375 or
376 .sp
377 .in +2
378 .nf
379 std offset dst offset, rule
380 .fi
381 .in -2

383 If \fBTZ\fR is of the first format (that is, if the first character is a colon
384 (:)), or if \fBTZ\fR is not of the second format, then \fBTZ\fR designates a

```



```

385 path to a timezone database file relative to \fB/usr/share/lib/zoneinfo/\fR,
386 ignoring a leading colon if one exists.
387 .sp
388 Otherwise, \fBTZ\fR is of the second form, which when expanded is as follows:
389 .sp
390 .in +2
391 .nf
392 \fIstdoffset\fR[\fIdst\fR[\fIoffset\fR][,\fIstart\fR[\fItime\fR],\fIend\fR[/\fI
393 .fi
394 .in -2

396 .sp
397 .ne 2
398 .na
399 \fB\fIstd\fR and \fIdst\fR\fR
400 .ad
401 .sp .6
402 .RS 4n
403 Indicate no less than three, nor more than {\fBTZNAME_MAX\fR}, bytes that are
404 the designation for the standard (\fIstd\fR) or the alternative (\fIdst\fR,
405 such as Daylight Savings Time) timezone. Only \fIstd\fR is required; if
406 \fIdst\fR is missing, then the alternative time does not apply in this
407 timezone. Each of these fields can occur in either of two formats, quoted or
408 unquoted:
409 .RS +4
410 .TP
411 .ie t \(\bu
412 .el o
413 In the quoted form, the first character is the less-than ('<') character and
414 the last character is the greater-than ('>') character. All characters between
415 these quoting characters are alphanumeric characters from the portable
416 character set in the current locale, the plus-sign ('+') character, or the
417 minus-sign ('-') character. The \fIstd\fR and \fIdst\fR fields in this case do
418 not include the quoting characters.
419 .RE
420 .RS +4
421 .TP
422 .ie t \(\bu
423 .el o
424 In the unquoted form, all characters in these fields are alphabetic characters
425 from the portable character set in the current locale.
426 .RE
427 The interpretation of these fields is unspecified if either field is less than
428 three bytes (except for the case when \fIdst\fR is missing), more than
429 {\fBTZNAME_MAX\fR} bytes, or if they contain characters other than those
430 specified.
431 .RE

433 .sp
434 .ne 2
435 .na
436 \fB\fIoffset\fR\fR
437 .ad
438 .sp .6
439 .RS 4n
440 Indicate the value one must add to the local time to arrive at Coordinated
441 Universal Time. The offset has the form:
442 .sp
443 .in +2
444 .nf
445 \fIhh\fR[:\fImm\fR[:\fIss\fR]]
446 .fi
447 .in -2
448 .sp

450 The minutes (\fImm\fR) and seconds (\fIss\fR) are optional. The hour (\fIhh\fR)

```

```

451 is required and can be a single digit. The \fIoffset\fR following \fIstd\fR is
452 required. If no \fIoffset\fR follows \fIdst\fR, daylight savings time is
453 assumed to be one hour ahead of standard time. One or more digits can be used.
454 The value is always interpreted as a decimal number. The hour must be between 0
455 and 24, and the minutes (and seconds), if present, must be between 0 and 59.
456 Out of range values can cause unpredictable behavior. If preceded by a "-", the
457 timezone is east of the Prime Meridian. Otherwise, it is west of the Prime
458 Meridian (which can be indicated by an optional preceding "\fI+\fR" sign).
459 .RE

461 .sp
462 .ne 2
463 .na
464 \fB\fIstart\fR/\fItime\fR,\|\fIend\fR/\fItime\fR\fR
465 .ad
466 .sp .6
467 .RS 4n
468 Indicate when to change to and back from daylight savings time, where
469 \fIstart/time\fR describes when the change from standard time to daylight
470 savings time occurs, and \fIend/time\fR describes when the change back occurs.
471 Each \fItime\fR field describes when, in current local time, the change is
472 made.
473 .sp
474 The formats of \fIstart\fR and \fIend\fR are one of the following:
475 .sp
476 .ne 2
477 .na
478 \fB\fB\fJ\fR\fIn\fR\fR
479 .ad
480 .sp .6
481 .RS 4n
482 The Julian day \fIn\fR (1 \(\(<= \fIn\fR \(\(<= 365). Leap days are not counted.
483 That is, in all years, February 28 is day 59 and March 1 is day 60. It is
484 impossible to refer to the occasional February 29.
485 .RE

487 .sp
488 .ne 2
489 .na
490 \fB\fIn\fR\fR
491 .ad
492 .sp .6
493 .RS 4n
494 The zero-based Julian day (0 \(\(<= \fIn\fR \(\(<= 365). Leap days are counted, and
495 it is possible to refer to February 29.
496 .RE

498 .sp
499 .ne 2
500 .na
501 \fB\fB\fM\fR\fIm.n.d\fR\fR
502 .ad
503 .sp .6
504 .RS 4n
505 The \fId\fRth day, (0 \(\(<= \fId\fR \(\(<= 6) of week \fIn\fR of month \fIm\fR of
506 the year (1 \(\(<= \fIn\fR \(\(<= 5, 1 \(\(<= \fIm\fR \(\(<= 12), where week 5 means
507 "the last \fId\fR-day in month \fIm\fR" which may occur in either the fourth or
508 the fifth week). Week 1 is the first week in which the \fId\fRth day occurs.
509 Day zero is Sunday.
510 .RE

512 Implementation specific defaults are used for \fIstart\fR and \fIend\fR if
513 these optional fields are not specified.
514 .sp
515 The \fItime\fR has the same format as \fIoffset\fR except that no leading sign
516 ("- " or "+ ") is allowed. If \fItime\fR is not specified, the default value is

```

```
517 02:00:00.  
518 .RE  
  
520 .RE  
  
522 .SH SEE ALSO  
524 .sp  
523 .LP  
524 \fBcat\fR(1), \fBdate\fR(1), \fBed\fR(1), \fBfmtmsg\fR(1), \fBlocaledef\fR(1),  
525 \fBlogin\fR(1), \fBls\fR(1), \fBmkmsgs\fR(1), \fBnice\fR(1), \fBnohup\fR(1),  
526 \fBsh\fR(1), \fBsort\fR(1), \fBtime\fR(1), \fBvi\fR(1), \fBexec\fR(2),  
527 \fBaddseverity\fR(3C), \fBcatopen\fR(3C), \fBctime\fR(3C), \fBctype\fR(3C),  
528 \fBfmtmsg\fR(3C), \fBgetdate\fR(3C), \fBgetnetpath\fR(3NSL), \fBgettext\fR(3C),  
529 \fBgettxt\fR(3C), \fBlocaleconv\fR(3C), \fBmblen\fR(3C), \fBmktime\fR(3C),  
530 \fBnewlocale\fR(3C),  
531 \fBprintf\fR(3C), \fBsetlocale\fR(3C), \fBstrcoll\fR(3C), \fBstrftime\fR(3C),  
532 \fBstrtod\fR(3C), \fBstrxfrm\fR(3C), \fBuselocale\fR(3C), \fBTIMEZONE\fR(4),  
533 \fBnetconfig\fR(4), \fBpasswd\fR(4), \fBprofile\fR(4)
```

new/usr/src/pkg/manifests/system-header.mf

1

```
*****
90062 Sun Jun 29 11:52:38 2014
new/usr/src/pkg/manifests/system-header.mf
Garrett's man page edits.
*****
1 #
2 # CDDL HEADER START
3 #
4 # The contents of this file are subject to the terms of the
5 # Common Development and Distribution License (the "License").
6 # You may not use this file except in compliance with the License.
7 #
8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9 # or http://www.opensolaris.org/os/licensing.
10 # See the License for the specific language governing permissions
11 # and limitations under the License.
12 #
13 # When distributing Covered Code, include this CDDL HEADER in each
14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 # If applicable, add the following below this CDDL HEADER, with the
16 # fields enclosed by brackets "[]" replaced with your own identifying
17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 #
23 # Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved.
24 # Copyright (c) 2012 by Delphix. All rights reserved.
25 # Copyright 2012 Nexenta Systems, Inc. All rights reserved.
26 # Copyright 2014 Garrett D'Amore <garrett@damore.org>
27 # Copyright 2013 Garrett D'Amore <garrett@damore.org>
28 #
29 set name=pkg.fmri value=pkg:/system/header@$(PKGVERS)
30 set name=pkg.description \
31     value="SunOS C/C++ header files for general development of software"
32 set name=pkg.summary value="SunOS Header Files"
33 set name=info.classification value=org.opensolaris.category.2008:System/Core
34 set name=variant.arch value=$(ARCH)
35 dir path=usr group=sys
36 dir path=usr/include
37 $(i386_ONLY)dir path=usr/include/$(ARCH64)
38 $(i386_ONLY)dir path=usr/include/$(ARCH64)/sys
39 dir path=usr/include/arpa
40 dir path=usr/include/asm
41 dir path=usr/include/ast
42 dir path=usr/include/bsm
43 dir path=usr/include/dat
44 dir path=usr/include/des
45 dir path=usr/include/gssapi
46 dir path=usr/include/hal
47 $(i386_ONLY)dir path=usr/include/ia32
48 $(i386_ONLY)dir path=usr/include/ia32/sys
49 dir path=usr/include/inet
50 dir path=usr/include/inet/kssl
51 dir path=usr/include/ipp
52 dir path=usr/include/ipp/ipgpc
53 dir path=usr/include/iso
54 dir path=usr/include/kerberosv5
55 dir path=usr/include/libpolkit
56 dir path=usr/include/net
57 dir path=usr/include/netinet
58 dir path=usr/include/nfs
59 dir path=usr/include/protocols
60 dir path=usr/include/rpc
```

new/usr/src/pkg/manifests/system-header.mf

2

```
61 dir path=usr/include/rpcsvc
62 dir path=usr/include/sasl
63 dir path=usr/include/scsi
64 dir path=usr/include/scsi/plugins
65 dir path=usr/include/scsi/plugins/ses
66 dir path=usr/include/scsi/plugins/ses/framework
67 dir path=usr/include/scsi/plugins/ses/vendor
68 dir path=usr/include/scsi/plugins/smp
69 dir path=usr/include/scsi/plugins/smp/engine
70 dir path=usr/include/scsi/plugins/smp/framework
71 dir path=usr/include/security
72 dir path=usr/include/sharefs
73 dir path=usr/include/sys
74 dir path=usr/include/sys/av
75 dir path=usr/include/sys/contract
76 dir path=usr/include/sys/crypto
77 dir path=usr/include/sys/dktp
78 dir path=usr/include/sys/fc4
79 dir path=usr/include/sys/fm
80 dir path=usr/include/sys/fm/cpu
81 dir path=usr/include/sys/fm/fs
82 dir path=usr/include/sys/fm/io
83 $(sparc_ONLY)dir path=usr/include/sys/fpu
84 dir path=usr/include/sys/fs
85 dir path=usr/include/sys/hotplug
86 dir path=usr/include/sys/hotplug/pci
87 dir path=usr/include/sys/ib
88 dir path=usr/include/sys/ib/adapters
89 dir path=usr/include/sys/ib/adapters/hermon
90 dir path=usr/include/sys/ib/adapters/tavor
91 dir path=usr/include/sys/ib/clients
92 dir path=usr/include/sys/ib/clients/ibd
93 dir path=usr/include/sys/ib/clients/of
94 dir path=usr/include/sys/ib/clients/of/rdma
95 dir path=usr/include/sys/ib/clients/of/sol_ofs
96 dir path=usr/include/sys/ib/clients/of/sol_ucma
97 dir path=usr/include/sys/ib/clients/of/sol_umad
98 dir path=usr/include/sys/ib/clients/of/sol_uverbs
99 dir path=usr/include/sys/ib/ibnex
100 dir path=usr/include/sys/ib/ibt1
101 dir path=usr/include/sys/ib/ibt1/impl
102 dir path=usr/include/sys/ib/mgt
103 dir path=usr/include/sys/ib/mgt/ibmf
104 dir path=usr/include/sys/iso
105 dir path=usr/include/sys/lvm
106 dir path=usr/include/sys/proc
107 dir path=usr/include/sys/rsm
108 $(i386_ONLY)dir path=usr/include/sys/sata group=sys
109 dir path=usr/include/sys/scsi
110 dir path=usr/include/sys/scsi/adapters
111 dir path=usr/include/sys/scsi/conf
112 dir path=usr/include/sys/scsi/generic
113 dir path=usr/include/sys/scsi/impl
114 dir path=usr/include/sys/scsi/targets
115 dir path=usr/include/sys/sysevent
116 dir path=usr/include/sys/tsol
117 dir path=usr/include/tsol
118 dir path=usr/include/uuid
119 $(sparc_ONLY)dir path=usr/include/v7
120 $(sparc_ONLY)dir path=usr/include/v7/sys
121 $(sparc_ONLY)dir path=usr/include/v9
122 $(sparc_ONLY)dir path=usr/include/v9/sys
123 dir path=usr/include/vm
124 dir path=usr/platform group=sys
125 $(sparc_ONLY)dir path=usr/platform/SUNW,A70 group=sys
126 $(sparc_ONLY)dir path=usr/platform/SUNW,Netra-CP2300 group=sys
```

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127 $(sparc_ONLY)dir path=usr/platform/SUNW,Netra-CP2300/include
128 $(sparc_ONLY)dir path=usr/platform/SUNW,Netra-CP3010 group=sys
129 $(sparc_ONLY)dir path=usr/platform/SUNW,Netra-CP3010/include
130 $(sparc_ONLY)dir path=usr/platform/SUNW,Netra-T12 group=sys
131 $(sparc_ONLY)dir path=usr/platform/SUNW,Netra-T4 group=sys
132 $(sparc_ONLY)dir path=usr/platform/SUNW,SPARC-Enterprise group=sys
133 $(sparc_ONLY)dir path=usr/platform/SUNW,Serverbladel group=sys
134 $(sparc_ONLY)dir path=usr/platform/SUNW,Sun-Blade-100 group=sys
135 $(sparc_ONLY)dir path=usr/platform/SUNW,Sun-Blade-1000 group=sys
136 $(sparc_ONLY)dir path=usr/platform/SUNW,Sun-Blade-1500 group=sys
137 $(sparc_ONLY)dir path=usr/platform/SUNW,Sun-Blade-2500 group=sys
138 $(sparc_ONLY)dir path=usr/platform/SUNW,Sun-Fire group=sys
139 $(sparc_ONLY)dir path=usr/platform/SUNW,Sun-Fire-15000 group=sys
140 $(sparc_ONLY)dir path=usr/platform/SUNW,Sun-Fire-280R group=sys
141 $(sparc_ONLY)dir path=usr/platform/SUNW,Sun-Fire-480R group=sys
142 $(sparc_ONLY)dir path=usr/platform/SUNW,Sun-Fire-880 group=sys
143 $(sparc_ONLY)dir path=usr/platform/SUNW,Sun-Fire-V215 group=sys
144 $(sparc_ONLY)dir path=usr/platform/SUNW,Sun-Fire-V240 group=sys
145 $(sparc_ONLY)dir path=usr/platform/SUNW,Sun-Fire-V250 group=sys
146 $(sparc_ONLY)dir path=usr/platform/SUNW,Sun-Fire-V440 group=sys
147 $(sparc_ONLY)dir path=usr/platform/SUNW,Sun-Fire-V445 group=sys
148 $(sparc_ONLY)dir path=usr/platform/SUNW,Sun-Fire-V490 group=sys
149 $(sparc_ONLY)dir path=usr/platform/SUNW,Sun-Fire-V890 group=sys
150 $(sparc_ONLY)dir path=usr/platform/SUNW,Ultra-2 group=sys
151 $(sparc_ONLY)dir path=usr/platform/SUNW,Ultra-250 group=sys
152 $(sparc_ONLY)dir path=usr/platform/SUNW,Ultra-4 group=sys
153 $(sparc_ONLY)dir path=usr/platform/SUNW,Ultra-Enterprise group=sys
154 $(sparc_ONLY)dir path=usr/platform/SUNW,Ultra-Enterprise-10000 group=sys
155 $(sparc_ONLY)dir path=usr/platform/SUNW,UltraSPARC-IIe-NetraCT-40 group=sys
156 $(sparc_ONLY)dir path=usr/platform/SUNW,UltraSPARC-IIe-NetraCT-60 group=sys
157 $(sparc_ONLY)dir path=usr/platform/SUNW,UltraSPARC-IIi-Netract group=sys
158 $(i386_ONLY)dir path=usr/platform/i86pc group=sys
159 $(i386_ONLY)dir path=usr/platform/i86pc/include
160 $(i386_ONLY)dir path=usr/platform/i86pc/include/sys
161 $(i386_ONLY)dir path=usr/platform/i86pc/include/vm
162 $(i386_ONLY)dir path=usr/platform/i86xpv group=sys
163 $(i386_ONLY)dir path=usr/platform/i86xpv/include
164 $(i386_ONLY)dir path=usr/platform/i86xpv/include/sys
165 $(i386_ONLY)dir path=usr/platform/i86xpv/include/vm
166 $(sparc_ONLY)dir path=usr/platform/sun4u group=sys
167 $(sparc_ONLY)dir path=usr/platform/sun4u/include
168 $(sparc_ONLY)dir path=usr/platform/sun4u/include/sys
169 $(sparc_ONLY)dir path=usr/platform/sun4u/include/sys/i2c
170 $(sparc_ONLY)dir path=usr/platform/sun4u/include/sys/i2c/clients
171 $(sparc_ONLY)dir path=usr/platform/sun4u/include/sys/i2c/misc
172 $(sparc_ONLY)dir path=usr/platform/sun4u/include/vm
173 $(sparc_ONLY)dir path=usr/platform/sun4v group=sys
174 $(sparc_ONLY)dir path=usr/platform/sun4v/include
175 $(sparc_ONLY)dir path=usr/platform/sun4v/include/sys
176 $(sparc_ONLY)dir path=usr/platform/sun4v/include/vm
177 dir path=usr/share
178 dir path=usr/share/man
179 dir path=usr/share/man/man3head
180 dir path=usr/share/man/man4
181 dir path=usr/share/man/man5
182 dir path=usr/share/man/man7i
183 dir path=usr/share/src group=sys
184 dir path=usr/share/src/uts
185 $(i386_ONLY)dir path=usr/share/src/uts/i86pc
186 $(i386_ONLY)dir path=usr/share/src/uts/i86xpv
187 $(sparc_ONLY)dir path=usr/share/src/uts/sun4u
188 $(sparc_ONLY)dir path=usr/share/src/uts/sun4v
189 dir path=usr/xpg4
190 dir path=usr/xpg4/include
191 $(i386_ONLY)file path=usr/include/$(ARCH64)/sys/kdi_regs.h
192 $(i386_ONLY)file path=usr/include/$(ARCH64)/sys/privmregs.h

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193 $(i386_ONLY)file path=usr/include/$(ARCH64)/sys/privregs.h
194 file path=usr/include/aio.h
195 file path=usr/include/alloca.h
196 file path=usr/include/apprace.h
197 file path=usr/include/apprace_impl.h
198 file path=usr/include/ar.h
199 file path=usr/include/archives.h
200 file path=usr/include/arpa/ftp.h
201 file path=usr/include/arpa/inet.h
202 file path=usr/include/arpa/nameser.h
203 file path=usr/include/arpa/nameser_compat.h
204 file path=usr/include/arpa/telnet.h
205 file path=usr/include/arpa/tftp.h
206 $(i386_ONLY)file path=usr/include/asm/atomic.h
207 $(i386_ONLY)file path=usr/include/asm/bitmap.h
208 $(i386_ONLY)file path=usr/include/asm/byteorder.h
209 $(i386_ONLY)file path=usr/include/asm/clock.h
210 $(i386_ONLY)file path=usr/include/asm/cpu.h
211 $(i386_ONLY)file path=usr/include/asm/cpudev.h
212 $(sparc_ONLY)file path=usr/include/asm/flush.h
213 $(i386_ONLY)file path=usr/include/asm/htable.h
214 $(i386_ONLY)file path=usr/include/asm/mmu.h
215 file path=usr/include/asm/sunddi.h
216 file path=usr/include/asm/thread.h
217 file path=usr/include/assert.h
218 file path=usr/include/ast/align.h
219 file path=usr/include/ast/ast.h
220 file path=usr/include/ast/ast_botch.h
221 file path=usr/include/ast/ast_ccode.h
222 file path=usr/include/ast/ast_common.h
223 file path=usr/include/ast/ast_dir.h
224 file path=usr/include/ast/ast_dirent.h
225 file path=usr/include/ast/ast_fcntl.h
226 file path=usr/include/ast/ast_float.h
227 file path=usr/include/ast/ast_fs.h
228 file path=usr/include/ast/ast_getopt.h
229 file path=usr/include/ast/ast_iconv.h
230 file path=usr/include/ast/ast_lib.h
231 file path=usr/include/ast/ast_limits.h
232 file path=usr/include/ast/ast_map.h
233 file path=usr/include/ast/ast_mmap.h
234 file path=usr/include/ast/ast_mode.h
235 file path=usr/include/ast/ast_namval.h
236 file path=usr/include/ast/ast_ndbm.h
237 file path=usr/include/ast/ast_nl_types.h
238 file path=usr/include/ast/ast_param.h
239 file path=usr/include/ast/ast_standards.h
240 file path=usr/include/ast/ast_std.h
241 file path=usr/include/ast/ast_stdio.h
242 file path=usr/include/ast/ast_sys.h
243 file path=usr/include/ast/ast_time.h
244 file path=usr/include/ast/ast_tty.h
245 file path=usr/include/ast/ast_version.h
246 file path=usr/include/ast/ast_vfork.h
247 file path=usr/include/ast/ast_wait.h
248 file path=usr/include/ast/ast_wchar.h
249 file path=usr/include/ast/ast_windows.h
250 file path=usr/include/ast/bytesex.h
251 file path=usr/include/ast/ccode.h
252 file path=usr/include/ast/cdt.h
253 file path=usr/include/ast/cmd.h
254 file path=usr/include/ast/cmdext.h
255 file path=usr/include/ast/debug.h
256 file path=usr/include/ast/dirent.h
257 file path=usr/include/ast/dlldefs.h
258 file path=usr/include/ast/dt.h

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```

259 file path=usr/include/ast/endian.h
260 file path=usr/include/ast/error.h
261 file path=usr/include/ast/find.h
262 file path=usr/include/ast/fnmatch.h
263 file path=usr/include/ast/fnv.h
264 file path=usr/include/ast/fs3d.h
265 file path=usr/include/ast/fts.h
266 file path=usr/include/ast/ftw.h
267 file path=usr/include/ast/ftwalk.h
268 file path=usr/include/ast/getopt.h
269 file path=usr/include/ast/glob.h
270 file path=usr/include/ast/hash.h
271 file path=usr/include/ast/hashkey.h
272 file path=usr/include/ast/hashpart.h
273 file path=usr/include/ast/history.h
274 file path=usr/include/ast/iconv.h
275 file path=usr/include/ast/ip6.h
276 file path=usr/include/ast/lc.h
277 file path=usr/include/ast/lc.h
278 file path=usr/include/ast/magic.h
279 file path=usr/include/ast/magicid.h
280 file path=usr/include/ast/mc.h
281 file path=usr/include/ast/mime.h
282 file path=usr/include/ast/mnt.h
283 file path=usr/include/ast/modecanon.h
284 file path=usr/include/ast/modex.h
285 file path=usr/include/ast/namval.h
286 file path=usr/include/ast/nl_types.h
287 file path=usr/include/ast/nval.h
288 file path=usr/include/ast/option.h
289 file path=usr/include/ast/preroot.h
290 file path=usr/include/ast/proc.h
291 file path=usr/include/ast/prototyped.h
292 file path=usr/include/ast/re_comp.h
293 file path=usr/include/ast/recfmt.h
294 file path=usr/include/ast/regex.h
295 file path=usr/include/ast/regex.h
296 file path=usr/include/ast/sfdisc.h
297 file path=usr/include/ast/sfio.h
298 file path=usr/include/ast/sfio_s.h
299 file path=usr/include/ast/sfio_t.h
300 file path=usr/include/ast/shcmd.h
301 file path=usr/include/ast/shell.h
302 file path=usr/include/ast/sig.h
303 file path=usr/include/ast/stack.h
304 file path=usr/include/ast/stak.h
305 file path=usr/include/ast/stdio.h
306 file path=usr/include/ast/stk.h
307 file path=usr/include/ast/sum.h
308 file path=usr/include/ast/swap.h
309 file path=usr/include/ast/tar.h
310 file path=usr/include/ast/times.h
311 file path=usr/include/ast/tm.h
312 file path=usr/include/ast/tmx.h
313 file path=usr/include/ast/tok.h
314 file path=usr/include/ast/tv.h
315 file path=usr/include/ast/usage.h
316 file path=usr/include/ast/vdb.h
317 file path=usr/include/ast/vecargs.h
318 file path=usr/include/ast/vmalloc.h
319 file path=usr/include/ast/wait.h
320 file path=usr/include/ast/wchar.h
321 file path=usr/include/ast/wordexp.h
322 file path=usr/include/atomic.h
323 file path=usr/include/attr.h
324 file path=usr/include/auth_attr.h

```

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325 file path=usr/include/bsm/adt.h
326 file path=usr/include/bsm/adt_event.h
327 file path=usr/include/bsm/audit.h
328 file path=usr/include/bsm/audit_kernel.h
329 file path=usr/include/bsm/audit_kevents.h
330 file path=usr/include/bsm/audit_record.h
331 file path=usr/include/bsm/audit_uevents.h
332 file path=usr/include/bsm/devices.h
333 file path=usr/include/bsm/libbsm.h
334 file path=usr/include/config_admin.h
335 file path=usr/include/cpio.h
336 file path=usr/include/crypt.h
337 file path=usr/include/cryptoutil.h
338 file path=usr/include/ctype.h
339 file path=usr/include/curses.h
340 file path=usr/include/dat/dat.h
341 file path=usr/include/dat/dat_error.h
342 file path=usr/include/dat/dat_platform_specific.h
343 file path=usr/include/dat/dat_redirection.h
344 file path=usr/include/dat/dat_registry.h
345 file path=usr/include/dat/dat_vendor_specific.h
346 file path=usr/include/dat/udat.h
347 file path=usr/include/dat/udat_config.h
348 file path=usr/include/dat/udat_redirection.h
349 file path=usr/include/dat/udat_vendor_specific.h
350 file path=usr/include/deflt.h
351 file path=usr/include/des/des.h
352 file path=usr/include/des/desdata.h
353 file path=usr/include/des/softdes.h
354 file path=usr/include/device_info.h
355 file path=usr/include/devid.h
356 file path=usr/include/devmgmt.h
357 file path=usr/include/devpoll.h
358 file path=usr/include/dial.h
359 file path=usr/include/dirent.h
360 file path=usr/include/dlfcn.h
361 file path=usr/include/door.h
362 file path=usr/include/elf.h
363 file path=usr/include/err.h
364 file path=usr/include/errno.h
365 file path=usr/include/eti.h
366 file path=usr/include/euc.h
367 file path=usr/include/exacct.h
368 file path=usr/include/exacct_impl.h
369 file path=usr/include/exec_attr.h
370 file path=usr/include/execinfo.h
371 file path=usr/include/fatal.h
372 file path=usr/include/fcntl.h
373 file path=usr/include/float.h
374 file path=usr/include/fmtmsg.h
375 file path=usr/include/fnmatch.h
376 file path=usr/include/form.h
377 file path=usr/include/ftw.h
378 file path=usr/include/gelf.h
379 file path=usr/include/getopt.h
380 file path=usr/include/getwidth.h
381 file path=usr/include/glob.h
382 file path=usr/include/grp.h
383 file path=usr/include/gssapi/gssapi.h
384 file path=usr/include/gssapi/gssapi_ext.h
385 file path=usr/include/hal/libhal-storage.h
386 file path=usr/include/hal/libhal.h
387 $(i386_ONLY)file path=usr/include/ia32/sys/asm_linkage.h
388 $(i386_ONLY)file path=usr/include/ia32/sys/kdi_regs.h
389 $(i386_ONLY)file path=usr/include/ia32/sys/machtypes.h
390 $(i386_ONLY)file path=usr/include/ia32/sys/privmregs.h

```

```

391 $(i386_ONLY)file path=usr/include/ia32/sys/privregs.h
392 $(i386_ONLY)file path=usr/include/ia32/sys/psw.h
393 $(i386_ONLY)file path=usr/include/ia32/sys/pte.h
394 $(i386_ONLY)file path=usr/include/ia32/sys/reg.h
395 $(i386_ONLY)file path=usr/include/ia32/sys/stack.h
396 $(i386_ONLY)file path=usr/include/ia32/sys/trap.h
397 $(i386_ONLY)file path=usr/include/ia32/sys/traptrace.h
398 file path=usr/include/iconv.h
399 file path=usr/include/idmap.h
400 file path=usr/include/ieeeep.h
401 file path=usr/include/ifaddrs.h
402 file path=usr/include/inet/arp.h
403 file path=usr/include/inet/common.h
404 file path=usr/include/inet/ip.h
405 file path=usr/include/inet/ip6.h
406 file path=usr/include/inet/ip6_asp.h
407 file path=usr/include/inet/ip_arp.h
408 file path=usr/include/inet/ip_ftable.h
409 file path=usr/include/inet/ip_if.h
410 file path=usr/include/inet/ip_ire.h
411 file path=usr/include/inet/ip_multi.h
412 file path=usr/include/inet/ip_netinfo.h
413 file path=usr/include/inet/ip_rts.h
414 file path=usr/include/inet/ip_stack.h
415 file path=usr/include/inet/ipclassifier.h
416 file path=usr/include/inet/ipdrop.h
417 file path=usr/include/inet/ipnet.h
418 file path=usr/include/inet/ipp_common.h
419 file path=usr/include/inet/kssl/ksslapl.h
420 file path=usr/include/inet/led.h
421 file path=usr/include/inet/mi.h
422 file path=usr/include/inet/mib2.h
423 file path=usr/include/inet/nd.h
424 file path=usr/include/inet/optcom.h
425 file path=usr/include/inet/sctp_itf.h
426 file path=usr/include/inet/snmpcom.h
427 file path=usr/include/inet/tcp.h
428 file path=usr/include/inet/tcp_sack.h
429 file path=usr/include/inet/tcp_stack.h
430 file path=usr/include/inet/tcp_stats.h
431 file path=usr/include/inet/tunables.h
432 file path=usr/include/inet/wifi_ioctl.h
433 file path=usr/include/inttypes.h
434 file path=usr/include/ipmp.h
435 file path=usr/include/ipmp_admin.h
436 file path=usr/include/ipmp_mpathd.h
437 file path=usr/include/ipmp_query.h
438 file path=usr/include/ipp/ipgpc/ipgpc.h
439 file path=usr/include/ipp/ipp.h
440 file path=usr/include/ipp/ipp_config.h
441 file path=usr/include/ipp/ipp_impl.h
442 file path=usr/include/ipp/ippctl.h
443 file path=usr/include/iso/ctype_iso.h
444 file path=usr/include/iso/limits_iso.h
445 file path=usr/include/iso/locale_iso.h
446 file path=usr/include/iso/setjmp_iso.h
447 file path=usr/include/iso/signal_iso.h
448 file path=usr/include/iso/stdarg_c99.h
449 file path=usr/include/iso/stdarg_iso.h
450 file path=usr/include/iso/stddef_iso.h
451 file path=usr/include/iso/stdio_c99.h
452 file path=usr/include/iso/stdio_iso.h
453 file path=usr/include/iso/stdlib_c99.h
454 file path=usr/include/iso/stdlib_iso.h
455 file path=usr/include/iso/string_iso.h
456 file path=usr/include/iso/time_iso.h

```

```

457 file path=usr/include/iso/wchar_c99.h
458 file path=usr/include/iso/wchar_iso.h
459 file path=usr/include/iso/wctype_iso.h
460 file path=usr/include/iso646.h
461 file path=usr/include/kerberosv5/com_err.h
462 file path=usr/include/kerberosv5/krb5.h
463 file path=usr/include/kerberosv5/mit-sipb-copyright.h
464 file path=usr/include/kerberosv5/mit_copyright.h
465 file path=usr/include/klpd.h
466 file path=usr/include/kmfapi.h
467 file path=usr/include/kmftypes.h
468 file path=usr/include/kstat.h
469 file path=usr/include/kvm.h
470 file path=usr/include/langinfo.h
471 file path=usr/include/lastlog.h
472 file path=usr/include/lber.h
473 file path=usr/include/ldap.h
474 file path=usr/include/libcontract.h
475 file path=usr/include/libctf.h
476 file path=usr/include/libdevice.h
477 file path=usr/include/libdevinfo.h
478 file path=usr/include/libdladm.h
479 file path=usr/include/libdlbridge.h
480 file path=usr/include/libdlib.h
481 file path=usr/include/libdllink.h
482 file path=usr/include/libdmpi.h
483 file path=usr/include/libdvlvlan.h
484 file path=usr/include/libelf.h
485 $(i386_ONLY)file path=usr/include/libfdisk.h
486 file path=usr/include/libfstyp.h
487 file path=usr/include/libfstyp_module.h
488 file path=usr/include/libgen.h
489 file path=usr/include/libgrubmgmt.h
490 file path=usr/include/libintl.h
491 file path=usr/include/libipmi.h
492 file path=usr/include/libipp.h
493 file path=usr/include/libnvpair.h
494 file path=usr/include/libnwm.h
495 file path=usr/include/libpolkit/libpolkit.h
496 file path=usr/include/librcm.h
497 file path=usr/include/libscf.h
498 file path=usr/include/libscf_priv.h
499 file path=usr/include/libshare.h
500 file path=usr/include/libsvm.h
501 file path=usr/include/libsysevent.h
502 file path=usr/include/libsysevent_impl.h
503 file path=usr/include/libtsnet.h
504 $(sparc_ONLY)file path=usr/include/libv12n.h
505 file path=usr/include/libw.h
506 file path=usr/include/libzfs.h
507 file path=usr/include/libzfs_core.h
508 file path=usr/include/libzoneinfo.h
509 file path=usr/include/limits.h
510 file path=usr/include/linenum.h
511 file path=usr/include/link.h
512 file path=usr/include/listen.h
513 file path=usr/include/locale.h
514 file path=usr/include/macros.h
515 file path=usr/include/maillock.h
516 file path=usr/include/malloc.h
517 file path=usr/include/md4.h
518 file path=usr/include/md5.h
519 file path=usr/include/mdiox.h
520 file path=usr/include/mdmn_changelog.h
521 file path=usr/include/memory.h
522 file path=usr/include/menu.h

```

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523 file path=usr/include/meta.h
524 file path=usr/include/meta_basic.h
525 file path=usr/include/meta_runtime.h
526 file path=usr/include/metacl.h
527 file path=usr/include/metad.h
528 file path=usr/include/metadyn.h
529 file path=usr/include/metamed.h
530 file path=usr/include/metamhd.h
531 file path=usr/include/mhdx.h
532 file path=usr/include/mon.h
533 file path=usr/include/monetary.h
534 file path=usr/include/mp.h
535 file path=usr/include/mqueue.h
536 file path=usr/include/mtmalloc.h
537 file path=usr/include/nan.h
538 file path=usr/include/ndbm.h
539 file path=usr/include/ndpd.h
540 file path=usr/include/net/af.h
541 file path=usr/include/net/bridge.h
542 file path=usr/include/net/if.h
543 file path=usr/include/net/if_arp.h
544 file path=usr/include/net/if_dl.h
545 file path=usr/include/net/if_types.h
546 file path=usr/include/net/pfkeyv2.h
547 file path=usr/include/net/pfpolicy.h
548 file path=usr/include/net/ppp-comp.h
549 file path=usr/include/net/ppp_defs.h
550 file path=usr/include/net/pppio.h
551 file path=usr/include/net/radix.h
552 file path=usr/include/net/route.h
553 file path=usr/include/net/trill.h
554 file path=usr/include/net/vjcompress.h
555 file path=usr/include/netconfig.h
556 file path=usr/include/netdb.h
557 file path=usr/include/netdir.h
558 file path=usr/include/netinet/arp.h
559 file path=usr/include/netinet/dhcp.h
560 file path=usr/include/netinet/dhcp6.h
561 file path=usr/include/netinet/icmp6.h
562 file path=usr/include/netinet/icmp_var.h
563 file path=usr/include/netinet/if_ether.h
564 file path=usr/include/netinet/igmp.h
565 file path=usr/include/netinet/igmp_var.h
566 file path=usr/include/netinet/in.h
567 file path=usr/include/netinet/in_pcb.h
568 file path=usr/include/netinet/in_system.h
569 file path=usr/include/netinet/in_var.h
570 file path=usr/include/netinet/ip.h
571 file path=usr/include/netinet/ip6.h
572 file path=usr/include/netinet/ip_icmp.h
573 file path=usr/include/netinet/ip_mroute.h
574 file path=usr/include/netinet/ip_var.h
575 file path=usr/include/netinet/pim.h
576 file path=usr/include/netinet/sctp.h
577 file path=usr/include/netinet/tcp.h
578 file path=usr/include/netinet/tcp_debug.h
579 file path=usr/include/netinet/tcp_fsm.h
580 file path=usr/include/netinet/tcp_seq.h
581 file path=usr/include/netinet/tcp_timer.h
582 file path=usr/include/netinet/tcp_var.h
583 file path=usr/include/netinet/tcpip.h
584 file path=usr/include/netinet/udp.h
585 file path=usr/include/netinet/udp_var.h
586 file path=usr/include/netinet/vrrp.h
587 file path=usr/include/nfs/auth.h
588 file path=usr/include/nfs/export.h

```

```

589 file path=usr/include/nfs/lm.h
590 file path=usr/include/nfs/mapid.h
591 file path=usr/include/nfs/mount.h
592 file path=usr/include/nfs/nfs.h
593 file path=usr/include/nfs/nfs4.h
594 file path=usr/include/nfs/nfs4_attr.h
595 file path=usr/include/nfs/nfs4_clnt.h
596 file path=usr/include/nfs/nfs4_db_impl.h
597 file path=usr/include/nfs/nfs4_idmap_impl.h
598 file path=usr/include/nfs/nfs4_kprot.h
599 file path=usr/include/nfs/nfs_acl.h
600 file path=usr/include/nfs/nfs_clnt.h
601 file path=usr/include/nfs/nfs_cmd.h
602 file path=usr/include/nfs/nfs_log.h
603 file path=usr/include/nfs/nfs_sec.h
604 file path=usr/include/nfs/nfsid_map.h
605 file path=usr/include/nfs/nfssys.h
606 file path=usr/include/nfs/rnode.h
607 file path=usr/include/nfs/rnode4.h
608 file path=usr/include/nl_types.h
609 file path=usr/include/nlist.h
610 file path=usr/include/note.h
611 file path=usr/include/nss_common.h
612 file path=usr/include/nss_dbdefs.h
613 file path=usr/include/nss_netdir.h
614 file path=usr/include/nsswitch.h
615 file path=usr/include/panel.h
616 file path=usr/include/paths.h
617 file path=usr/include/pcsample.h
618 file path=usr/include/pfmt.h
619 file path=usr/include/pkgdev.h
620 file path=usr/include/pkginfo.h
621 file path=usr/include/pkglocs.h
622 file path=usr/include/pkgstrct.h
623 file path=usr/include/pkgtrans.h
624 file path=usr/include/poll.h
625 file path=usr/include/port.h
626 file path=usr/include/priv.h
627 file path=usr/include/proc_service.h
628 file path=usr/include/procfs.h
629 file path=usr/include/prof.h
630 file path=usr/include/prof_attr.h
631 file path=usr/include/project.h
632 file path=usr/include/protocols/dumprestore.h
633 file path=usr/include/protocols/routed.h
634 file path=usr/include/protocols/rwhod.h
635 file path=usr/include/protocols/timed.h
636 file path=usr/include/pthread.h
637 file path=usr/include/pw.h
638 file path=usr/include/pwd.h
639 file path=usr/include/rcm_module.h
640 file path=usr/include/rctl.h
641 file path=usr/include/re_comp.h
642 file path=usr/include/regex.h
643 file path=usr/include/regexp.h
644 file path=usr/include/regexpr.h
645 file path=usr/include/resolv.h
646 file path=usr/include/rje.h
647 file path=usr/include/rp_plugin.h
648 file path=usr/include/rpc/auth.h
649 file path=usr/include/rpc/auth_des.h
650 file path=usr/include/rpc/auth_sys.h
651 file path=usr/include/rpc/auth_unix.h
652 file path=usr/include/rpc/bootparam.h
653 file path=usr/include/rpc/clnt.h
654 file path=usr/include/rpc/clnt_soc.h

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655 file path=usr/include/rpc/clnt_stat.h
656 file path=usr/include/rpc/des_crypt.h
657 $(sparc_ONLY)file path=usr/include/rpc/ib.h
658 file path=usr/include/rpc/key_prot.h
659 file path=usr/include/rpc/nettype.h
660 file path=usr/include/rpc/pmap_clnt.h
661 file path=usr/include/rpc/pmap_prot.h
662 file path=usr/include/rpc/pmap_prot.x
663 file path=usr/include/rpc/pmap_rmt.h
664 file path=usr/include/rpc/raw.h
665 file path=usr/include/rpc/rpc.h
666 file path=usr/include/rpc/rpc_com.h
667 file path=usr/include/rpc/rpc_msg.h
668 file path=usr/include/rpc/rpc_rdma.h
669 file path=usr/include/rpc/rpc_sztypes.h
670 file path=usr/include/rpc/rpcb_clnt.h
671 file path=usr/include/rpc/rpcb_prot.h
672 file path=usr/include/rpc/rpcb_prot.x
673 file path=usr/include/rpc/rpcent.h
674 file path=usr/include/rpc/rpcsec_gss.h
675 file path=usr/include/rpc/rpcsys.h
676 file path=usr/include/rpc/svc.h
677 file path=usr/include/rpc/svc_auth.h
678 file path=usr/include/rpc/svc_mt.h
679 file path=usr/include/rpc/svc_soc.h
680 file path=usr/include/rpc/types.h
681 file path=usr/include/rpc/xdr.h
682 file path=usr/include/rpcsvc/autofs_prot.h
683 file path=usr/include/rpcsvc/autofs_prot.x
684 file path=usr/include/rpcsvc/bootparam.h
685 file path=usr/include/rpcsvc/bootparam_prot.h
686 file path=usr/include/rpcsvc/bootparam_prot.x
687 file path=usr/include/rpcsvc/dbm.h
688 file path=usr/include/rpcsvc/key_prot.x
689 file path=usr/include/rpcsvc/mount.h
690 file path=usr/include/rpcsvc/mount.x
691 file path=usr/include/rpcsvc/nfs4_prot.h
692 file path=usr/include/rpcsvc/nfs4_prot.x
693 file path=usr/include/rpcsvc/nfs_acl.h
694 file path=usr/include/rpcsvc/nfs_acl.x
695 file path=usr/include/rpcsvc/nfs_prot.h
696 file path=usr/include/rpcsvc/nfs_prot.x
697 file path=usr/include/rpcsvc/nis.h
698 file path=usr/include/rpcsvc/nis.x
699 file path=usr/include/rpcsvc/nis_db.h
700 file path=usr/include/rpcsvc/nis_object.x
701 file path=usr/include/rpcsvc/nislib.h
702 file path=usr/include/rpcsvc/nlm_prot.h
703 file path=usr/include/rpcsvc/nlm_prot.x
704 file path=usr/include/rpcsvc/nsm_addr.h
705 file path=usr/include/rpcsvc/nsm_addr.x
706 file path=usr/include/rpcsvc/rex.h
707 file path=usr/include/rpcsvc/rex.x
708 file path=usr/include/rpcsvc/rpc_sztypes.h
709 file path=usr/include/rpcsvc/rpc_sztypes.x
710 file path=usr/include/rpcsvc/rquota.h
711 file path=usr/include/rpcsvc/rquota.x
712 file path=usr/include/rpcsvc/rstat.h
713 file path=usr/include/rpcsvc/rstat.x
714 file path=usr/include/rpcsvc/rusers.h
715 file path=usr/include/rpcsvc/rusers.x
716 file path=usr/include/rpcsvc/rwall.h
717 file path=usr/include/rpcsvc/rwall.x
718 file path=usr/include/rpcsvc/sm_inter.h
719 file path=usr/include/rpcsvc/sm_inter.x
720 file path=usr/include/rpcsvc/spray.h

```

```

721 file path=usr/include/rpcsvc/spray.x
722 file path=usr/include/rpcsvc/ufs_prot.h
723 file path=usr/include/rpcsvc/ufs_prot.x
724 file path=usr/include/rpcsvc/yp.x
725 file path=usr/include/rpcsvc/yp_prot.h
726 file path=usr/include/rpcsvc/ypclnt.h
727 file path=usr/include/rpcsvc/yppasswd.h
728 file path=usr/include/rpcsvc/ypupd.h
729 file path=usr/include/rsmapi.h
730 file path=usr/include/rtld_db.h
731 file path=usr/include/sac.h
732 file path=usr/include/sasl/prop.h
733 file path=usr/include/sasl/sasl.h
734 file path=usr/include/sasl/saslplug.h
735 file path=usr/include/sasl/saslutil.h
736 file path=usr/include/sched.h
737 file path=usr/include/schedctl.h
738 file path=usr/include/scsi/libscsi.h
739 file path=usr/include/scsi/libses.h
740 file path=usr/include/scsi/libses_plugin.h
741 file path=usr/include/scsi/libsmpt.h
742 file path=usr/include/scsi/libsmpt_plugin.h
743 file path=usr/include/scsi/plugins/ses/framework/libses.h
744 file path=usr/include/scsi/plugins/ses/framework/ses2.h
745 file path=usr/include/scsi/plugins/ses/framework/ses2_impl.h
746 file path=usr/include/scsi/plugins/ses/vendor/sun.h
747 file path=usr/include/sdp.h
748 file path=usr/include/search.h
749 file path=usr/include/secdb.h
750 file path=usr/include/security/auditd.h
751 file path=usr/include/security/cryptoki.h
752 file path=usr/include/security/pam_appl.h
753 file path=usr/include/security/pam_modules.h
754 file path=usr/include/security/pkcs11.h
755 file path=usr/include/security/pkcs11f.h
756 file path=usr/include/security/pkcs11t.h
757 file path=usr/include/semaphore.h
758 file path=usr/include/setjmp.h
759 file path=usr/include/sgtty.h
760 file path=usr/include/shal.h
761 file path=usr/include/sha2.h
762 file path=usr/include/shadow.h
763 file path=usr/include/sharefs/share.h
764 file path=usr/include/sharefs/sharefs.h
765 file path=usr/include/sharefs/sharetab.h
766 file path=usr/include/signinfo.h
767 file path=usr/include/signal.h
768 file path=usr/include/sip.h
769 file path=usr/include/smbios.h
770 file path=usr/include/spawn.h
771 $(i386_ONLY)file path=usr/include/stack_unwind.h
772 file path=usr/include/stdarg.h
773 file path=usr/include/stdbool.h
774 file path=usr/include/stddef.h
775 file path=usr/include/stdint.h
776 file path=usr/include/stdio.h
777 file path=usr/include/stdio_ext.h
778 file path=usr/include/stdio_impl.h
779 file path=usr/include/stdio_tag.h
780 file path=usr/include/stdlib.h
781 file path=usr/include/storclass.h
782 file path=usr/include/string.h
783 file path=usr/include/strings.h
784 file path=usr/include/stropts.h
785 file path=usr/include/syms.h
786 file path=usr/include/synch.h

```



```

787 file path=usr/include/sys/acct.h
788 file path=usr/include/sys/acctctl.h
789 file path=usr/include/sys/acl.h
790 file path=usr/include/sys/acl_impl.h
791 file path=usr/include/sys/acpi_drv.h
792 file path=usr/include/sys/aio.h
793 file path=usr/include/sys/aio_impl.h
794 file path=usr/include/sys/aio_req.h
795 file path=usr/include/sys/aioch.h
796 file path=usr/include/sys/archsystem.h
797 file path=usr/include/sys/ascii.h
798 file path=usr/include/sys/asm_linkage.h
799 file path=usr/include/sys/asynch.h
800 file path=usr/include/sys/atomic.h
801 file path=usr/include/sys/attr.h
802 file path=usr/include/sys/autoconf.h
803 file path=usr/include/sys/auxv.h
804 file path=usr/include/sys/auxv_386.h
805 file path=usr/include/sys/auxv_SPARC.h
806 file path=usr/include/sys/av/iec61883.h
807 file path=usr/include/sys/avintr.h
808 file path=usr/include/sys/avl.h
809 file path=usr/include/sys/avl_impl.h
810 file path=usr/include/sys/bitmap.h
811 file path=usr/include/sys/bitset.h
812 file path=usr/include/sys/bl.h
813 file path=usr/include/sys/blkdev.h
814 file path=usr/include/sys/bofi.h
815 file path=usr/include/sys/bofi_impl.h
816 file path=usr/include/sys/bootconf.h
817 $(i386_ONLY)file path=usr/include/sys/bootregs.h
818 file path=usr/include/sys/bootstat.h
819 $(i386_ONLY)file path=usr/include/sys/bootsvcs.h
820 file path=usr/include/sys/bpp_io.h
821 file path=usr/include/sys/brand.h
822 file path=usr/include/sys/buf.h
823 file path=usr/include/sys/bufmod.h
824 file path=usr/include/sys/bustypes.h
825 file path=usr/include/sys/byteorder.h
826 file path=usr/include/sys/callb.h
827 file path=usr/include/sys/callo.h
828 file path=usr/include/sys/cap_util.h
829 file path=usr/include/sys/ccompile.h
830 file path=usr/include/sys/cdio.h
831 file path=usr/include/sys/cis.h
832 file path=usr/include/sys/cis_handlers.h
833 file path=usr/include/sys/cis_protos.h
834 file path=usr/include/sys/cladm.h
835 file path=usr/include/sys/class.h
836 file path=usr/include/sys/clconf.h
837 file path=usr/include/sys/cmlb.h
838 file path=usr/include/sys/cmn_err.h
839 $(sparc_ONLY)file path=usr/include/sys/cmpregs.h
840 file path=usr/include/sys/compress.h
841 file path=usr/include/sys/condvar.h
842 file path=usr/include/sys/condvar_impl.h
843 file path=usr/include/sys/conf.h
844 file path=usr/include/sys/consdev.h
845 file path=usr/include/sys/console.h
846 file path=usr/include/sys/consplat.h
847 file path=usr/include/sys/contract.h
848 file path=usr/include/sys/contract/device.h
849 file path=usr/include/sys/contract/device_impl.h
850 file path=usr/include/sys/contract/process.h
851 file path=usr/include/sys/contract/process_impl.h
852 file path=usr/include/sys/contract_impl.h

```

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853 $(i386_ONLY)file path=usr/include/sys/controlregs.h
854 file path=usr/include/sys/copyops.h
855 file path=usr/include/sys/core.h
856 file path=usr/include/sys/corectl.h
857 file path=usr/include/sys/cpc_impl.h
858 file path=usr/include/sys/cpc_pcbe.h
859 file path=usr/include/sys/cpr.h
860 file path=usr/include/sys/cpu.h
861 file path=usr/include/sys/cpucaps.h
862 file path=usr/include/sys/cpucaps_impl.h
863 file path=usr/include/sys/cpart.h
864 file path=usr/include/sys/cpuvar.h
865 file path=usr/include/sys/crc32.h
866 file path=usr/include/sys/cred.h
867 file path=usr/include/sys/cred_impl.h
868 file path=usr/include/sys/crtctl.h
869 file path=usr/include/sys/crypto/api.h
870 file path=usr/include/sys/crypto/common.h
871 file path=usr/include/sys/crypto/ioctl.h
872 file path=usr/include/sys/crypto/ioctladmin.h
873 file path=usr/include/sys/crypto/spi.h
874 file path=usr/include/sys/cs.h
875 file path=usr/include/sys/cs_priv.h
876 file path=usr/include/sys/cs_strings.h
877 file path=usr/include/sys/cs_stubs.h
878 file path=usr/include/sys/cs_types.h
879 file path=usr/include/sys/csiioctl.h
880 file path=usr/include/sys/ctf.h
881 file path=usr/include/sys/ctf_api.h
882 file path=usr/include/sys/ctfs.h
883 file path=usr/include/sys/ctfs_impl.h
884 file path=usr/include/sys/ctype.h
885 file path=usr/include/sys/cyclic.h
886 file path=usr/include/sys/cyclic_impl.h
887 file path=usr/include/sys/dacf.h
888 file path=usr/include/sys/dacf_impl.h
889 file path=usr/include/sys/damap.h
890 file path=usr/include/sys/damap_impl.h
891 file path=usr/include/sys/dc_ki.h
892 file path=usr/include/sys/ddi.h
893 file path=usr/include/sys/ddi_hp.h
894 file path=usr/include/sys/ddi_hp_impl.h
895 file path=usr/include/sys/ddi_impldefs.h
896 file path=usr/include/sys/ddi_implfuncs.h
897 file path=usr/include/sys/ddi_intr.h
898 file path=usr/include/sys/ddi_intr_impl.h
899 file path=usr/include/sys/ddi_isa.h
900 file path=usr/include/sys/ddi_obsolete.h
901 file path=usr/include/sys/ddi_periodic.h
902 file path=usr/include/sys/ddidevmap.h
903 file path=usr/include/sys/ddidmareq.h
904 file path=usr/include/sys/ddifm.h
905 file path=usr/include/sys/ddifm_impl.h
906 file path=usr/include/sys/ddimapreq.h
907 file path=usr/include/sys/ddipropdefs.h
908 file path=usr/include/sys/dditypes.h
909 file path=usr/include/sys/debug.h
910 $(i386_ONLY)file path=usr/include/sys/debugreg.h
911 file path=usr/include/sys/des.h
912 file path=usr/include/sys/devcache.h
913 file path=usr/include/sys/devcache_impl.h
914 file path=usr/include/sys/devctl.h
915 file path=usr/include/sys/devfm.h
916 file path=usr/include/sys/devid_cache.h
917 file path=usr/include/sys/devinfo_impl.h
918 file path=usr/include/sys/devops.h

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919 file path=usr/include/sys/devpolicy.h
920 file path=usr/include/sys/devpoll.h
921 file path=usr/include/sys/dirent.h
922 file path=usr/include/sys/disp.h
923 file path=usr/include/sys/dkbad.h
924 file path=usr/include/sys/dkio.h
925 file path=usr/include/sys/dklabel.h
926 $(sparc_ONLY)file path=usr/include/sys/dkmpio.h
927 $(i386_ONLY)file path=usr/include/sys/dktp/altctr.h
928 $(i386_ONLY)file path=usr/include/sys/dktp/cmpkt.h
929 file path=usr/include/sys/dktp/dadkio.h
930 file path=usr/include/sys/dktp/fdisk.h
931 file path=usr/include/sys/dl.h
932 file path=usr/include/sys/dld.h
933 file path=usr/include/sys/dlpi.h
934 file path=usr/include/sys/dls_mgmt.h
935 $(i386_ONLY)file path=usr/include/sys/dma_engine.h
936 file path=usr/include/sys/dma_i8237A.h
937 file path=usr/include/sys/dnlc.h
938 file path=usr/include/sys/door.h
939 file path=usr/include/sys/door_data.h
940 file path=usr/include/sys/door_impl.h
941 file path=usr/include/sys/dumphdr.h
942 file path=usr/include/sys/ecppio.h
943 file path=usr/include/sys/ecppreg.h
944 file path=usr/include/sys/ecppsys.h
945 file path=usr/include/sys/ecppvar.h
946 file path=usr/include/sys/efi_partition.h
947 file path=usr/include/sys/elf.h
948 file path=usr/include/sys/elf_386.h
949 file path=usr/include/sys/elf_SPARC.h
950 file path=usr/include/sys/elf_amd64.h
951 file path=usr/include/sys/elf_notes.h
952 file path=usr/include/sys/elftypes.h
953 file path=usr/include/sys/epm.h
954 file path=usr/include/sys/errno.h
955 file path=usr/include/sys/errorq.h
956 file path=usr/include/sys/errorq_impl.h
957 file path=usr/include/sys/esunddi.h
958 file path=usr/include/sys/ethernet.h
959 file path=usr/include/sys/euc.h
960 file path=usr/include/sys/eucioctl.h
961 file path=usr/include/sys/exacct.h
962 file path=usr/include/sys/exacct_catalog.h
963 file path=usr/include/sys/exacct_impl.h
964 file path=usr/include/sys/exec.h
965 file path=usr/include/sys/exechdr.h
966 file path=usr/include/sys/fault.h
967 file path=usr/include/sys/fbio.h
968 file path=usr/include/sys/fbuf.h
969 file path=usr/include/sys/fc4/fc.h
970 file path=usr/include/sys/fc4/fc_transport.h
971 file path=usr/include/sys/fc4/fcal.h
972 file path=usr/include/sys/fc4/fcal_linkapp.h
973 file path=usr/include/sys/fc4/fcal_transport.h
974 file path=usr/include/sys/fc4/fcio.h
975 file path=usr/include/sys/fc4/fcp.h
976 file path=usr/include/sys/fc4/linkapp.h
977 file path=usr/include/sys/fcntl.h
978 file path=usr/include/sys/fdbuffer.h
979 file path=usr/include/sys/fdio.h
980 $(sparc_ONLY)file path=usr/include/sys/fdreg.h
981 $(sparc_ONLY)file path=usr/include/sys/fdvar.h
982 file path=usr/include/sys/feature_tests.h
983 file path=usr/include/sys/fem.h
984 file path=usr/include/sys/file.h

```

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985 file path=usr/include/sys/filio.h
986 file path=usr/include/sys/flock.h
987 file path=usr/include/sys/flock_impl.h
988 $(sparc_ONLY)file path=usr/include/sys/fm/cpu/SPARC64-VI.h
989 $(sparc_ONLY)file path=usr/include/sys/fm/cpu/UltraSPARC-II.h
990 $(sparc_ONLY)file path=usr/include/sys/fm/cpu/UltraSPARC-III.h
991 $(sparc_ONLY)file path=usr/include/sys/fm/cpu/UltraSPARC-T1.h
992 file path=usr/include/sys/fm/fs/zfs.h
993 file path=usr/include/sys/fm/io/ddi.h
994 file path=usr/include/sys/fm/io/disk.h
995 file path=usr/include/sys/fm/io/opl_mc_fm.h
996 file path=usr/include/sys/fm/io/pci.h
997 file path=usr/include/sys/fm/io/scsi.h
998 file path=usr/include/sys/fm/io/sun4upci.h
999 file path=usr/include/sys/fm/protocol.h
1000 file path=usr/include/sys/fm/util.h
1001 file path=usr/include/sys/fork.h
1002 $(i386_ONLY)file path=usr/include/sys/fp.h
1003 $(sparc_ONLY)file path=usr/include/sys/fpu/fpu_simulator.h
1004 $(sparc_ONLY)file path=usr/include/sys/fpu/fpusystem.h
1005 $(sparc_ONLY)file path=usr/include/sys/fpu/globals.h
1006 $(sparc_ONLY)file path=usr/include/sys/fpu/ieee.h
1007 file path=usr/include/sys/frame.h
1008 file path=usr/include/sys/fs/autofs.h
1009 file path=usr/include/sys/fs/cachefs_dir.h
1010 file path=usr/include/sys/fs/cachefs_dlog.h
1011 file path=usr/include/sys/fs/cachefs_filegrp.h
1012 file path=usr/include/sys/fs/cachefs_fs.h
1013 file path=usr/include/sys/fs/cachefs_fscache.h
1014 file path=usr/include/sys/fs/cachefs_ioctl.h
1015 file path=usr/include/sys/fs/cachefs_log.h
1016 file path=usr/include/sys/fs/decomp.h
1017 file path=usr/include/sys/fs/dv_node.h
1018 file path=usr/include/sys/fs/fifonode.h
1019 file path=usr/include/sys/fs/hsfs_isospec.h
1020 file path=usr/include/sys/fs/hsfs_node.h
1021 file path=usr/include/sys/fs/hsfs_rrip.h
1022 file path=usr/include/sys/fs/hsfs_spec.h
1023 file path=usr/include/sys/fs/hsfs_susp.h
1024 file path=usr/include/sys/fs/lofs_info.h
1025 file path=usr/include/sys/fs/lofs_node.h
1026 file path=usr/include/sys/fs/mntdata.h
1027 file path=usr/include/sys/fs/namenode.h
1028 file path=usr/include/sys/fs/pc_dir.h
1029 file path=usr/include/sys/fs/pc_fs.h
1030 file path=usr/include/sys/fs/pc_label.h
1031 file path=usr/include/sys/fs/pc_node.h
1032 file path=usr/include/sys/fs/pxfs_ki.h
1033 file path=usr/include/sys/fs/sdev_impl.h
1034 file path=usr/include/sys/fs/snnode.h
1035 file path=usr/include/sys/fs/swapnode.h
1036 file path=usr/include/sys/fs/tmp.h
1037 file path=usr/include/sys/fs/tmpnode.h
1038 file path=usr/include/sys/fs/udf_inode.h
1039 file path=usr/include/sys/fs/udf_volume.h
1040 file path=usr/include/sys/fs/ufs_acl.h
1041 file path=usr/include/sys/fs/ufs_bio.h
1042 file path=usr/include/sys/fs/ufs_filio.h
1043 file path=usr/include/sys/fs/ufs_fs.h
1044 file path=usr/include/sys/fs/ufs_fsdire.h
1045 file path=usr/include/sys/fs/ufs_inode.h
1046 file path=usr/include/sys/fs/ufs_lockfs.h
1047 file path=usr/include/sys/fs/ufs_log.h
1048 file path=usr/include/sys/fs/ufs_mount.h
1049 file path=usr/include/sys/fs/ufs_panic.h
1050 file path=usr/include/sys/fs/ufs_prot.h

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1051 file path=usr/include/sys/fs/ufs\_quota.h  
 1052 file path=usr/include/sys/fs/ufs\_snap.h  
 1053 file path=usr/include/sys/fs/ufs\_trans.h  
 1054 file path=usr/include/sys/fs/zfs.h  
 1055 file path=usr/include/sys/fs\_reparse.h  
 1056 file path=usr/include/sys/fs\_subr.h  
 1057 file path=usr/include/sys/fsid.h  
 1058 \$(sparc\_ONLY)file path=usr/include/sys/fsr.h  
 1059 file path=usr/include/sys/fss.h  
 1060 file path=usr/include/sys/fssnap.h  
 1061 file path=usr/include/sys/fssnap\_if.h  
 1062 file path=usr/include/sys/fsspricntl.h  
 1063 file path=usr/include/sys/fstyp.h  
 1064 file path=usr/include/sys/ftrace.h  
 1065 file path=usr/include/sys/fix.h  
 1066 file path=usr/include/sys/fixpricntl.h  
 1067 file path=usr/include/sys/gfs.h  
 1068 file path=usr/include/sys/gld.h  
 1069 file path=usr/include/sys/gldpriv.h  
 1070 file path=usr/include/sys/group.h  
 1071 file path=usr/include/sys/hdio.h  
 1072 file path=usr/include/sys/hook.h  
 1073 file path=usr/include/sys/hook\_event.h  
 1074 file path=usr/include/sys/hook\_impl.h  
 1075 file path=usr/include/sys/hotplug/hpcsvc.h  
 1076 file path=usr/include/sys/hotplug/hpctrl.h  
 1077 file path=usr/include/sys/hotplug/pci/pcicfg.h  
 1078 file path=usr/include/sys/hotplug/pci/pcihp.h  
 1079 file path=usr/include/sys/hwconf.h  
 1080 \$(i386\_ONLY)file path=usr/include/sys/hypervisor.h  
 1081 \$(i386\_ONLY)file path=usr/include/sys/i8272A.h  
 1082 file path=usr/include/sys/ia.h  
 1083 file path=usr/include/sys/iapriocntl.h  
 1084 file path=usr/include/sys/ib/adapters/hermon/hermon\_ioctl.h  
 1085 file path=usr/include/sys/ib/adapters/mlnx\_umap.h  
 1086 file path=usr/include/sys/ib/adapters/tavor/tavor\_ioctl.h  
 1087 file path=usr/include/sys/ib/clients/ibd/ibd.h  
 1088 file path=usr/include/sys/ib/clients/of/ofa\_solaris.h  
 1089 file path=usr/include/sys/ib/clients/of/ofed\_kernel.h  
 1090 file path=usr/include/sys/ib/clients/of/rdma/ib\_addr.h  
 1091 file path=usr/include/sys/ib/clients/of/rdma/ib\_user\_mad.h  
 1092 file path=usr/include/sys/ib/clients/of/rdma/ib\_user\_sa.h  
 1093 file path=usr/include/sys/ib/clients/of/rdma/ib\_user\_verbs.h  
 1094 file path=usr/include/sys/ib/clients/of/rdma/ib\_verbs.h  
 1095 file path=usr/include/sys/ib/clients/of/rdma/rdma\_cm.h  
 1096 file path=usr/include/sys/ib/clients/of/rdma/rdma\_user\_cm.h  
 1097 file path=usr/include/sys/ib/clients/of/sol\_ofs/sol\_cma.h  
 1098 file path=usr/include/sys/ib/clients/of/sol\_ofs/sol\_ib\_cma.h  
 1099 file path=usr/include/sys/ib/clients/of/sol\_ofs/sol\_kverb\_impl.h  
 1100 file path=usr/include/sys/ib/clients/of/sol\_ofs/sol\_ofs\_common.h  
 1101 file path=usr/include/sys/ib/clients/of/sol\_ucma/sol\_rdma\_user\_cm.h  
 1102 file path=usr/include/sys/ib/clients/of/sol\_ucma/sol\_ucma.h  
 1103 file path=usr/include/sys/ib/clients/of/sol\_umad/sol\_umad.h  
 1104 file path=usr/include/sys/ib/clients/of/sol\_uverbs/sol\_uverbs.h  
 1105 file path=usr/include/sys/ib/clients/of/sol\_uverbs/sol\_uverbs2ucma.h  
 1106 file path=usr/include/sys/ib/clients/of/sol\_uverbs/sol\_uverbs\_comp.h  
 1107 file path=usr/include/sys/ib/clients/of/sol\_uverbs/sol\_uverbs\_event.h  
 1108 file path=usr/include/sys/ib/clients/of/sol\_uverbs/sol\_uverbs\_hca.h  
 1109 file path=usr/include/sys/ib/clients/of/sol\_uverbs/sol\_uverbs\_qp.h  
 1110 file path=usr/include/sys/ib/ib\_pkt\_hdrs.h  
 1111 file path=usr/include/sys/ib/ib\_types.h  
 1112 file path=usr/include/sys/ib/ibnex/ibnex\_devctl.h  
 1113 file path=usr/include/sys/ib/ibtl/ibci.h  
 1114 file path=usr/include/sys/ib/ibtl/ibti.h  
 1115 file path=usr/include/sys/ib/ibtl/ibti\_cm.h  
 1116 file path=usr/include/sys/ib/ibtl/ibti\_common.h

1117 file path=usr/include/sys/ib/ibtl/ibtl\_ci\_types.h  
 1118 file path=usr/include/sys/ib/ibtl/ibtl\_status.h  
 1119 file path=usr/include/sys/ib/ibtl/ibtl\_types.h  
 1120 file path=usr/include/sys/ib/ibtl/ibvti.h  
 1121 file path=usr/include/sys/ib/ibtl/impl/ibtl\_util.h  
 1122 file path=usr/include/sys/ib/mgt/ib\_dm\_attr.h  
 1123 file path=usr/include/sys/ib/mgt/ib\_mad.h  
 1124 file path=usr/include/sys/ib/mgt/ibmf/ibmf.h  
 1125 file path=usr/include/sys/ib/mgt/ibmf/ibmf\_msg.h  
 1126 file path=usr/include/sys/ib/mgt/ibmf/ibmf\_saa.h  
 1127 file path=usr/include/sys/ib/mgt/ibmf/ibmf\_utils.h  
 1128 file path=usr/include/sys/ib/mgt/sa\_recs.h  
 1129 file path=usr/include/sys/ib/mgt/sm\_attr.h  
 1130 file path=usr/include/sys/ibpart.h  
 1131 file path=usr/include/sys/id32.h  
 1132 file path=usr/include/sys/id\_space.h  
 1133 file path=usr/include/sys/idmap.h  
 1134 file path=usr/include/sys/inline.h  
 1135 file path=usr/include/sys/instance.h  
 1136 file path=usr/include/sys/int\_const.h  
 1137 file path=usr/include/sys/int\_fmtio.h  
 1138 file path=usr/include/sys/int\_limits.h  
 1139 file path=usr/include/sys/int\_types.h  
 1140 file path=usr/include/sys/inttypes.h  
 1141 file path=usr/include/sys/ioccom.h  
 1142 file path=usr/include/sys/ioctl.h  
 1143 \$(i386\_ONLY)file path=usr/include/sys/iomulib.h  
 1144 file path=usr/include/sys/ipc.h  
 1145 file path=usr/include/sys/ipc\_impl.h  
 1146 file path=usr/include/sys/ipc\_rctl.h  
 1147 file path=usr/include/sys/isa\_defs.h  
 1148 file path=usr/include/sys/iso/signal\_iso.h  
 1149 file path=usr/include/sys/jioctl.h  
 1150 file path=usr/include/sys/kbd.h  
 1151 file path=usr/include/sys/kbdreg.h  
 1152 file path=usr/include/sys/kbio.h  
 1153 file path=usr/include/sys/kcpc.h  
 1154 file path=usr/include/sys/kd.h  
 1155 file path=usr/include/sys/kdi.h  
 1156 file path=usr/include/sys/kdi\_impl.h  
 1157 file path=usr/include/sys/kdi\_machimpl.h  
 1158 \$(i386\_ONLY)file path=usr/include/sys/kdi\_regs.h  
 1159 file path=usr/include/sys/kiconv.h  
 1160 file path=usr/include/sys/kidmap.h  
 1161 file path=usr/include/sys/klpd.h  
 1162 file path=usr/include/sys/klwp.h  
 1163 file path=usr/include/sys/kmem.h  
 1164 file path=usr/include/sys/kmem\_impl.h  
 1165 file path=usr/include/sys/kobj.h  
 1166 file path=usr/include/sys/kobj\_impl.h  
 1167 file path=usr/include/sys/ksocket.h  
 1168 file path=usr/include/sys/kstat.h  
 1169 file path=usr/include/sys/kstr.h  
 1170 file path=usr/include/sys/ksyms.h  
 1171 file path=usr/include/sys/ksynch.h  
 1172 file path=usr/include/sys/lc\_core.h  
 1173 file path=usr/include/sys/ldterm.h  
 1174 file path=usr/include/sys/lgrp.h  
 1175 file path=usr/include/sys/lgrp\_user.h  
 1176 file path=usr/include/sys/link.h  
 1177 file path=usr/include/sys/list.h  
 1178 file path=usr/include/sys/list\_impl.h  
 1179 file path=usr/include/sys/llcl.h  
 1180 file path=usr/include/sys/loadavg.h  
 1181 file path=usr/include/sys/localedef.h  
 1182 file path=usr/include/sys/lock.h

1183 file path=usr/include/sys/lockfs.h  
 1184 file path=usr/include/sys/lofi.h  
 1185 file path=usr/include/sys/log.h  
 1186 file path=usr/include/sys/logindmux.h  
 1187 file path=usr/include/sys/lvm/md\_basic.h  
 1188 file path=usr/include/sys/lvm/md\_convert.h  
 1189 file path=usr/include/sys/lvm/md\_crc.h  
 1190 file path=usr/include/sys/lvm/md\_hotspares.h  
 1191 file path=usr/include/sys/lvm/md\_mdldb.h  
 1192 file path=usr/include/sys/lvm/md\_mdiox.h  
 1193 file path=usr/include/sys/lvm/md\_mhdx.h  
 1194 file path=usr/include/sys/lvm/md\_mirror.h  
 1195 file path=usr/include/sys/lvm/md\_mirror\_shared.h  
 1196 file path=usr/include/sys/lvm/md\_names.h  
 1197 file path=usr/include/sys/lvm/md\_notify.h  
 1198 file path=usr/include/sys/lvm/md\_raid.h  
 1199 file path=usr/include/sys/lvm/md\_rename.h  
 1200 file path=usr/include/sys/lvm/md\_sp.h  
 1201 file path=usr/include/sys/lvm/md\_stripe.h  
 1202 file path=usr/include/sys/lvm/md\_trans.h  
 1203 file path=usr/include/sys/lvm/mdio.h  
 1204 file path=usr/include/sys/lvm/mdmed.h  
 1205 file path=usr/include/sys/lvm/mdmn\_commd.h  
 1206 file path=usr/include/sys/lvm/mdvar.h  
 1207 file path=usr/include/sys/lwp.h  
 1208 file path=usr/include/sys/lwp\_timer\_impl.h  
 1209 file path=usr/include/sys/lwp\_upimutex\_impl.h  
 1210 file path=usr/include/sys/mac.h  
 1211 file path=usr/include/sys/mac\_ether.h  
 1212 file path=usr/include/sys/mac\_flow.h  
 1213 file path=usr/include/sys/mac\_provider.h  
 1214 file path=usr/include/sys/machelf.h  
 1215 file path=usr/include/sys/machlock.h  
 1216 file path=usr/include/sys/machsig.h  
 1217 file path=usr/include/sys/machtypes.h  
 1218 file path=usr/include/sys/map.h  
 1219 \$(i386\_ONLY)file path=usr/include/sys/mc.h  
 1220 \$(i386\_ONLY)file path=usr/include/sys/mc\_amd.h  
 1221 \$(i386\_ONLY)file path=usr/include/sys/mc\_intel.h  
 1222 \$(i386\_ONLY)file path=usr/include/sys/mca\_amd.h  
 1223 \$(i386\_ONLY)file path=usr/include/sys/mca\_x86.h  
 1224 file path=usr/include/sys/md4.h  
 1225 file path=usr/include/sys/md5.h  
 1226 file path=usr/include/sys/md5\_consts.h  
 1227 file path=usr/include/sys/mdi\_impldefs.h  
 1228 file path=usr/include/sys/mem.h  
 1229 file path=usr/include/sys/mem\_config.h  
 1230 file path=usr/include/sys/memlist.h  
 1231 file path=usr/include/sys/mhd.h  
 1232 file path=usr/include/sys/mii.h  
 1233 file path=usr/include/sys/miiregs.h  
 1234 file path=usr/include/sys/mkdev.h  
 1235 file path=usr/include/sys/mman.h  
 1236 file path=usr/include/sys/mmapobj.h  
 1237 file path=usr/include/sys/mntent.h  
 1238 file path=usr/include/sys/mntio.h  
 1239 file path=usr/include/sys/mnttab.h  
 1240 file path=usr/include/sys/modctl.h  
 1241 file path=usr/include/sys/mode.h  
 1242 file path=usr/include/sys/model.h  
 1243 file path=usr/include/sys/modhash.h  
 1244 file path=usr/include/sys/modhash\_impl.h  
 1245 file path=usr/include/sys/mount.h  
 1246 file path=usr/include/sys/mouse.h  
 1247 file path=usr/include/sys/msacct.h  
 1248 file path=usr/include/sys/msg.h

1249 file path=usr/include/sys/msg\_impl.h  
 1250 file path=usr/include/sys/msio.h  
 1251 file path=usr/include/sys/msreg.h  
 1252 file path=usr/include/sys/mtio.h  
 1253 file path=usr/include/sys/multidata.h  
 1254 file path=usr/include/sys/mutex.h  
 1255 \$(i386\_ONLY)file path=usr/include/sys/mutex\_impl.h  
 1256 file path=usr/include/sys/nbmlck.h  
 1257 file path=usr/include/sys/ndi\_impldefs.h  
 1258 file path=usr/include/sys/ndifm.h  
 1259 file path=usr/include/sys/netconfig.h  
 1260 file path=usr/include/sys/neti.h  
 1261 file path=usr/include/sys/netstack.h  
 1262 file path=usr/include/sys/nexusdefs.h  
 1263 file path=usr/include/sys/note.h  
 1264 file path=usr/include/sys/nvpair.h  
 1265 file path=usr/include/sys/nvpair\_impl.h  
 1266 file path=usr/include/sys/objfs.h  
 1267 file path=usr/include/sys/objfs\_impl.h  
 1268 file path=usr/include/sys/obpdefs.h  
 1269 file path=usr/include/sys/old\_proofs.h  
 1270 file path=usr/include/sys/open.h  
 1271 file path=usr/include/sys/openpromio.h  
 1272 file path=usr/include/sys/panic.h  
 1273 file path=usr/include/sys/param.h  
 1274 file path=usr/include/sys/pathconf.h  
 1275 file path=usr/include/sys/pathname.h  
 1276 file path=usr/include/sys/pattr.h  
 1277 file path=usr/include/sys/pbio.h  
 1278 file path=usr/include/sys/pcb.h  
 1279 file path=usr/include/sys/pccard.h  
 1280 file path=usr/include/sys/pci.h  
 1281 \$(i386\_ONLY)file path=usr/include/sys/pcic\_reg.h  
 1282 \$(i386\_ONLY)file path=usr/include/sys/pcic\_var.h  
 1283 file path=usr/include/sys/pcie.h  
 1284 file path=usr/include/sys/pcmcia.h  
 1285 file path=usr/include/sys/pctypes.h  
 1286 file path=usr/include/sys/pfmod.h  
 1287 file path=usr/include/sys/pg.h  
 1288 file path=usr/include/sys/pghw.h  
 1289 file path=usr/include/sys/phymem.h  
 1290 \$(i386\_ONLY)file path=usr/include/sys/pic.h  
 1291 \$(i386\_ONLY)file path=usr/include/sys/pit.h  
 1292 file path=usr/include/sys/pkp\_hash.h  
 1293 file path=usr/include/sys/pm.h  
 1294 \$(i386\_ONLY)file path=usr/include/sys/pmem.h  
 1295 file path=usr/include/sys/policy.h  
 1296 file path=usr/include/sys/poll.h  
 1297 file path=usr/include/sys/poll\_impl.h  
 1298 file path=usr/include/sys/pool.h  
 1299 file path=usr/include/sys/pool\_impl.h  
 1300 file path=usr/include/sys/pool\_pset.h  
 1301 file path=usr/include/sys/port.h  
 1302 file path=usr/include/sys/port\_impl.h  
 1303 file path=usr/include/sys/port\_kernel.h  
 1304 file path=usr/include/sys/ppmio.h  
 1305 file path=usr/include/sys/priocntl.h  
 1306 file path=usr/include/sys/priv.h  
 1307 file path=usr/include/sys/priv\_const.h  
 1308 file path=usr/include/sys/priv\_impl.h  
 1309 file path=usr/include/sys/priv\_names.h  
 1310 \$(i386\_ONLY)file path=usr/include/sys/privregs.h  
 1311 \$(i386\_ONLY)file path=usr/include/sys/privregs.h  
 1312 file path=usr/include/sys/prnio.h  
 1313 file path=usr/include/sys/proc.h  
 1314 file path=usr/include/sys/proc/prdata.h

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1315 file path=usr/include/sys/processor.h
1316 file path=usr/include/sys/procfs.h
1317 file path=usr/include/sys/procfs_isa.h
1318 file path=usr/include/sys/procset.h
1319 file path=usr/include/sys/project.h
1320 $(i386_ONLY)file path=usr/include/sys/prom_emul.h
1321 $(i386_ONLY)file path=usr/include/sys/prom_isa.h
1322 $(i386_ONLY)file path=usr/include/sys/prom_plat.h
1323 file path=usr/include/sys/promif.h
1324 file path=usr/include/sys/promimpl.h
1325 file path=usr/include/sys/protosw.h
1326 file path=usr/include/sys/prsystem.h
1327 file path=usr/include/sys/pset.h
1328 file path=usr/include/sys/psw.h
1329 $(i386_ONLY)file path=usr/include/sys/pte.h
1330 file path=usr/include/sys/ptem.h
1331 file path=usr/include/sys/ptms.h
1332 file path=usr/include/sys/ptyvar.h
1333 file path=usr/include/sys/queue.h
1334 file path=usr/include/sys/raidioctl.h
1335 file path=usr/include/sys/ramdisk.h
1336 file path=usr/include/sys/random.h
1337 file path=usr/include/sys/rctl.h
1338 file path=usr/include/sys/rctl_impl.h
1339 file path=usr/include/sys/rds.h
1340 file path=usr/include/sys/reboot.h
1341 file path=usr/include/sys/refstr.h
1342 file path=usr/include/sys/refstr_impl.h
1343 file path=usr/include/sys/reg.h
1344 file path=usr/include/sys/regset.h
1345 file path=usr/include/sys/resource.h
1346 file path=usr/include/sys/rlioc1.h
1347 file path=usr/include/sys/rsm/rsm.h
1348 file path=usr/include/sys/rsm/rsm_common.h
1349 file path=usr/include/sys/rsm/rsmapi_common.h
1350 file path=usr/include/sys/rsm/rsmka_path_int.h
1351 file path=usr/include/sys/rsm/rsmndi.h
1352 file path=usr/include/sys/rsm/rsmmpi.h
1353 file path=usr/include/sys/rsm/rsmmpi_driver.h
1354 file path=usr/include/sys/rt.h
1355 $(i386_ONLY)file path=usr/include/sys/rtc.h
1356 file path=usr/include/sys/rtpriocntl.h
1357 file path=usr/include/sys/rwlock.h
1358 file path=usr/include/sys/rwlock_impl.h
1359 file path=usr/include/sys/rwstlock.h
1360 file path=usr/include/sys/sad.h
1361 $(i386_ONLY)file path=usr/include/sys/sata/sata_defs.h
1362 $(i386_ONLY)file path=usr/include/sys/sata/sata_hba.h
1363 file path=usr/include/sys/schedctl.h
1364 $(sparc_ONLY)file path=usr/include/sys/scsi/adapters/ifpio.h
1365 file path=usr/include/sys/scsi/adapters/scsi_vhci.h
1366 $(sparc_ONLY)file path=usr/include/sys/scsi/adapters/sfvar.h
1367 file path=usr/include/sys/scsi/conf/autoconf.h
1368 file path=usr/include/sys/scsi/conf/device.h
1369 file path=usr/include/sys/scsi/generic/commands.h
1370 file path=usr/include/sys/scsi/generic/dad_mode.h
1371 file path=usr/include/sys/scsi/generic/inquiry.h
1372 file path=usr/include/sys/scsi/generic/message.h
1373 file path=usr/include/sys/scsi/generic/mode.h
1374 file path=usr/include/sys/scsi/generic/persist.h
1375 file path=usr/include/sys/scsi/generic/sense.h
1376 file path=usr/include/sys/scsi/generic/sff_frames.h
1377 file path=usr/include/sys/scsi/generic/smp_frames.h
1378 file path=usr/include/sys/scsi/generic/status.h
1379 file path=usr/include/sys/scsi/impl/commands.h
1380 file path=usr/include/sys/scsi/impl/inquiry.h

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1381 file path=usr/include/sys/scsi/impl/mode.h
1382 file path=usr/include/sys/scsi/impl/scsi_reset_notify.h
1383 file path=usr/include/sys/scsi/impl/scsi_sas.h
1384 file path=usr/include/sys/scsi/impl/sense.h
1385 file path=usr/include/sys/scsi/impl/services.h
1386 file path=usr/include/sys/scsi/impl/smp_transport.h
1387 file path=usr/include/sys/scsi/impl/spc3_types.h
1388 file path=usr/include/sys/scsi/impl/status.h
1389 file path=usr/include/sys/scsi/impl/transport.h
1390 file path=usr/include/sys/scsi/impl/types.h
1391 file path=usr/include/sys/scsi/impl/uscsi.h
1392 file path=usr/include/sys/scsi/impl/usmp.h
1393 file path=usr/include/sys/scsi/scsi.h
1394 file path=usr/include/sys/scsi/scsi_address.h
1395 file path=usr/include/sys/scsi/scsi_ctl.h
1396 file path=usr/include/sys/scsi/scsi_fm.h
1397 file path=usr/include/sys/scsi/scsi_params.h
1398 file path=usr/include/sys/scsi/scsi_pkt.h
1399 file path=usr/include/sys/scsi/scsi_resource.h
1400 file path=usr/include/sys/scsi/scsi_types.h
1401 file path=usr/include/sys/scsi/scsi_watch.h
1402 file path=usr/include/sys/scsi/targets/sddef.h
1403 file path=usr/include/sys/scsi/targets/ses.h
1404 file path=usr/include/sys/scsi/targets/sesio.h
1405 file path=usr/include/sys/scsi/targets/sgendef.h
1406 file path=usr/include/sys/scsi/targets/smp.h
1407 $(sparc_ONLY)file path=usr/include/sys/scsi/targets/ssddef.h
1408 file path=usr/include/sys/scsi/targets/stdef.h
1409 $(i386_ONLY)file path=usr/include/sys/segment.h
1410 $(i386_ONLY)file path=usr/include/sys/segments.h
1411 file path=usr/include/sys/select.h
1412 file path=usr/include/sys/sem.h
1413 file path=usr/include/sys/sem_impl.h
1414 file path=usr/include/sys/semaphore.h
1415 file path=usr/include/sys/semaphore.h
1416 file path=usr/include/sys/sendfile.h
1417 $(sparc_ONLY)file path=usr/include/sys/ser_async.h
1418 file path=usr/include/sys/ser_sync.h
1419 $(sparc_ONLY)file path=usr/include/sys/ser_zscc.h
1420 file path=usr/include/sys/serializer.h
1421 file path=usr/include/sys/session.h
1422 file path=usr/include/sys/sha1.h
1423 file path=usr/include/sys/sha2.h
1424 file path=usr/include/sys/share.h
1425 file path=usr/include/sys/shm.h
1426 file path=usr/include/sys/shm_impl.h
1427 file path=usr/include/sys/sid.h
1428 file path=usr/include/sys/signinfo.h
1429 file path=usr/include/sys/signal.h
1430 file path=usr/include/sys/sleepq.h
1431 file path=usr/include/sys/smbios.h
1432 file path=usr/include/sys/smbios_impl.h
1433 file path=usr/include/sys/smedia.h
1434 file path=usr/include/sys/sobject.h
1435 $(sparc_ONLY)file path=usr/include/sys/social_cg_defs.h
1436 $(sparc_ONLY)file path=usr/include/sys/socialio.h
1437 $(sparc_ONLY)file path=usr/include/sys/socialmap.h
1438 $(sparc_ONLY)file path=usr/include/sys/socialreg.h
1439 $(sparc_ONLY)file path=usr/include/sys/socialvar.h
1440 file path=usr/include/sys/socket.h
1441 file path=usr/include/sys/socket_impl.h
1442 file path=usr/include/sys/socket_proto.h
1443 file path=usr/include/sys/socketvar.h
1444 file path=usr/include/sys/sokio.h
1445 file path=usr/include/sys/spl.h
1446 file path=usr/include/sys/queue.h

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1447 file path=usr/include/sys/squeue\_impl.h  
 1448 file path=usr/include/sys/sservice.h  
 1449 file path=usr/include/sys/stack.h  
 1450 file path=usr/include/sys/stat.h  
 1451 file path=usr/include/sys/stat\_impl.h  
 1452 file path=usr/include/sys/statfs.h  
 1453 file path=usr/include/sys/statvfs.h  
 1454 file path=usr/include/sys/stdbool.h  
 1455 file path=usr/include/sys/stdint.h  
 1456 file path=usr/include/sys/stermio.h  
 1457 file path=usr/include/sys/stream.h  
 1458 file path=usr/include/sys/strft.h  
 1459 file path=usr/include/sys/strlog.h  
 1460 file path=usr/include/sys/strmdep.h  
 1461 file path=usr/include/sys/stropts.h  
 1462 file path=usr/include/sys/strredir.h  
 1463 file path=usr/include/sys/strstat.h  
 1464 file path=usr/include/sys/strsubr.h  
 1465 file path=usr/include/sys/strsun.h  
 1466 file path=usr/include/sys/strtty.h  
 1467 file path=usr/include/sys/sunddi.h  
 1468 file path=usr/include/sys/sunldi.h  
 1469 file path=usr/include/sys/sunldi\_impl.h  
 1470 file path=usr/include/sys/sunmdi.h  
 1471 file path=usr/include/sys/sunndi.h  
 1472 file path=usr/include/sys/sunpm.h  
 1473 file path=usr/include/sys/suntpi.h  
 1474 file path=usr/include/sys/suntty.h  
 1475 file path=usr/include/sys/swap.h  
 1476 file path=usr/include/sys/synch.h  
 1477 file path=usr/include/sys/syscall.h  
 1478 file path=usr/include/sys/sysconf.h  
 1479 file path=usr/include/sys/sysconfig.h  
 1480 file path=usr/include/sys/sysconfig\_impl.h  
 1481 file path=usr/include/sys/sysdc.h  
 1482 file path=usr/include/sys/sysdc\_impl.h  
 1483 file path=usr/include/sys/sysevent.h  
 1484 file path=usr/include/sys/sysevent/ap\_driver.h  
 1485 file path=usr/include/sys/sysevent/dev.h  
 1486 file path=usr/include/sys/sysevent/domain.h  
 1487 file path=usr/include/sys/sysevent/dr.h  
 1488 file path=usr/include/sys/sysevent/env.h  
 1489 file path=usr/include/sys/sysevent/eventdefs.h  
 1490 file path=usr/include/sys/sysevent/ipmp.h  
 1491 file path=usr/include/sys/sysevent/pwrctl.h  
 1492 file path=usr/include/sys/sysevent/svm.h  
 1493 file path=usr/include/sys/sysevent/vrrp.h  
 1494 file path=usr/include/sys/sysevent\_impl.h  
 1495 \$(i386\_ONLY)file path=usr/include/sys/sysi86.h  
 1496 file path=usr/include/sys/sysinfo.h  
 1497 file path=usr/include/sys/syslog.h  
 1498 file path=usr/include/sys/sysmacros.h  
 1499 file path=usr/include/sys/systeminfo.h  
 1500 file path=usr/include/sys/system.h  
 1501 file path=usr/include/sys/t\_kuser.h  
 1502 file path=usr/include/sys/t\_lock.h  
 1503 file path=usr/include/sys/task.h  
 1504 file path=usr/include/sys/taskq.h  
 1505 file path=usr/include/sys/taskq\_impl.h  
 1506 file path=usr/include/sys/telioctl.h  
 1507 file path=usr/include/sys/termio.h  
 1508 file path=usr/include/sys/termios.h  
 1509 file path=usr/include/sys/termiox.h  
 1510 file path=usr/include/sys/thread.h  
 1511 file path=usr/include/sys/ticlts.h  
 1512 file path=usr/include/sys/ticots.h

1513 file path=usr/include/sys/ticotsord.h  
 1514 file path=usr/include/sys/tihdr.h  
 1515 file path=usr/include/sys/time.h  
 1516 file path=usr/include/sys/time\_impl.h  
 1517 file path=usr/include/sys/time\_std\_impl.h  
 1518 file path=usr/include/sys/timeb.h  
 1519 file path=usr/include/sys/timer.h  
 1520 file path=usr/include/sys/times.h  
 1521 file path=usr/include/sys/timex.h  
 1522 file path=usr/include/sys/timod.h  
 1523 file path=usr/include/sys/tirdwr.h  
 1524 file path=usr/include/sys/tiuser.h  
 1525 file path=usr/include/sys/tl.h  
 1526 file path=usr/include/sys/tnf.h  
 1527 file path=usr/include/sys/tnf\_com.h  
 1528 file path=usr/include/sys/tnf\_probe.h  
 1529 file path=usr/include/sys/tnf\_writer.h  
 1530 file path=usr/include/sys/todio.h  
 1531 file path=usr/include/sys/tpicommon.h  
 1532 file path=usr/include/sys/trap.h  
 1533 \$(i386\_ONLY)file path=usr/include/sys/traptrace.h  
 1534 file path=usr/include/sys/ts.h  
 1535 file path=usr/include/sys/tsol/label.h  
 1536 file path=usr/include/sys/tsol/label\_macro.h  
 1537 file path=usr/include/sys/tsol/priv.h  
 1538 file path=usr/include/sys/tsol/tndb.h  
 1539 file path=usr/include/sys/tsol/tsyscall.h  
 1540 file path=usr/include/sys/tspriccntl.h  
 1541 \$(i386\_ONLY)file path=usr/include/sys/tss.h  
 1542 file path=usr/include/sys/ttcompat.h  
 1543 file path=usr/include/sys/ttold.h  
 1544 file path=usr/include/sys/tty.h  
 1545 file path=usr/include/sys/ttychars.h  
 1546 file path=usr/include/sys/ttydev.h  
 1547 \$(sparc\_ONLY)file path=usr/include/sys/ttymux.h  
 1548 \$(sparc\_ONLY)file path=usr/include/sys/ttymuxuser.h  
 1549 file path=usr/include/sys/tuneable.h  
 1550 file path=usr/include/sys/turnstile.h  
 1551 file path=usr/include/sys/types.h  
 1552 file path=usr/include/sys/types32.h  
 1553 file path=usr/include/sys/tzfile.h  
 1554 file path=usr/include/sys/u8\_textprep.h  
 1555 file path=usr/include/sys/uadmin.h  
 1556 \$(i386\_ONLY)file path=usr/include/sys/ucode.h  
 1557 file path=usr/include/sys/ucontext.h  
 1558 file path=usr/include/sys/uiio.h  
 1559 file path=usr/include/sys/ulimit.h  
 1560 file path=usr/include/sys/un.h  
 1561 file path=usr/include/sys/unistd.h  
 1562 file path=usr/include/sys/user.h  
 1563 file path=usr/include/sys/ustat.h  
 1564 file path=usr/include/sys/utime.h  
 1565 file path=usr/include/sys/utrap.h  
 1566 file path=usr/include/sys/utsname.h  
 1567 file path=usr/include/sys/utssys.h  
 1568 file path=usr/include/sys/uuid.h  
 1569 file path=usr/include/sys/va\_impl.h  
 1570 file path=usr/include/sys/va\_list.h  
 1571 file path=usr/include/sys/var.h  
 1572 file path=usr/include/sys/varargs.h  
 1573 file path=usr/include/sys/vfs.h  
 1574 file path=usr/include/sys/vfs\_opreg.h  
 1575 file path=usr/include/sys/vfstab.h  
 1576 file path=usr/include/sys/videodev2.h  
 1577 file path=usr/include/sys/visual\_io.h  
 1578 file path=usr/include/sys/vm.h

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1579 file path=usr/include/sys/vm_usage.h
1580 file path=usr/include/sys/vmem.h
1581 file path=usr/include/sys/vmem_impl.h
1582 file path=usr/include/sys/vmem_impl_user.h
1583 file path=usr/include/sys/vmparam.h
1584 file path=usr/include/sys/vmsystem.h
1585 file path=usr/include/sys/vnode.h
1586 file path=usr/include/sys/vt.h
1587 file path=usr/include/sys/vtdaemon.h
1588 file path=usr/include/sys/vtoc.h
1589 file path=usr/include/sys/vtrace.h
1590 file path=usr/include/sys/vuid_event.h
1591 file path=usr/include/sys/vuid_queue.h
1592 file path=usr/include/sys/vuid_state.h
1593 file path=usr/include/sys/vuid_store.h
1594 file path=usr/include/sys/vuid_wheel.h
1595 file path=usr/include/sys/wait.h
1596 file path=usr/include/sys/waitq.h
1597 file path=usr/include/sys/watchpoint.h
1598 $(i386_ONLY)file path=usr/include/sys/x86_archext.h
1599 $(i386_ONLY)file path=usr/include/sys/xen_errno.h
1600 file path=usr/include/sys/xti_inet.h
1601 file path=usr/include/sys/xti_osi.h
1602 file path=usr/include/sys/xti_xtiopt.h
1603 file path=usr/include/sys/zcons.h
1604 file path=usr/include/sys/zmod.h
1605 file path=usr/include/sys/zone.h
1606 $(sparc_ONLY)file path=usr/include/sys/zsdev.h
1607 file path=usr/include/syssexits.h
1608 file path=usr/include/syslog.h
1609 file path=usr/include/tar.h
1610 file path=usr/include/tcpd.h
1611 file path=usr/include/term.h
1612 file path=usr/include/termcap.h
1613 file path=usr/include/termio.h
1614 file path=usr/include/termios.h
1615 file path=usr/include/thread.h
1616 file path=usr/include/thread_db.h
1617 file path=usr/include/time.h
1618 file path=usr/include/tiuser.h
1619 file path=usr/include/tsol/label.h
1620 file path=usr/include/tzfile.h
1621 file path=usr/include/ucontext.h
1622 file path=usr/include/ucrd.h
1623 file path=usr/include/uid_stp.h
1624 file path=usr/include/ulimit.h
1625 file path=usr/include/umem.h
1626 file path=usr/include/umem_impl.h
1627 file path=usr/include/unctrl.h
1628 file path=usr/include/unistd.h
1629 file path=usr/include/user_attr.h
1630 file path=usr/include/userdefs.h
1631 file path=usr/include/ustat.h
1632 file path=usr/include/utility.h
1633 file path=usr/include/utime.h
1634 file path=usr/include/utmp.h
1635 file path=usr/include/utmpx.h
1636 file path=usr/include/uuid/uuid.h
1637 $(sparc_ONLY)file path=usr/include/v7/sys/machpcb.h
1638 $(sparc_ONLY)file path=usr/include/v7/sys/machtrap.h
1639 $(sparc_ONLY)file path=usr/include/v7/sys/mutex_impl.h
1640 $(sparc_ONLY)file path=usr/include/v7/sys/privregs.h
1641 $(sparc_ONLY)file path=usr/include/v7/sys/prom_isa.h
1642 $(sparc_ONLY)file path=usr/include/v7/sys/psr.h
1643 $(sparc_ONLY)file path=usr/include/v7/sys/traptrace.h
1644 $(sparc_ONLY)file path=usr/include/v9/sys/asi.h

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1645 $(sparc_ONLY)file path=usr/include/v9/sys/machpcb.h
1646 $(sparc_ONLY)file path=usr/include/v9/sys/machtrap.h
1647 $(sparc_ONLY)file path=usr/include/v9/sys/membar.h
1648 $(sparc_ONLY)file path=usr/include/v9/sys/mutex_impl.h
1649 $(sparc_ONLY)file path=usr/include/v9/sys/privregs.h
1650 $(sparc_ONLY)file path=usr/include/v9/sys/prom_isa.h
1651 $(sparc_ONLY)file path=usr/include/v9/sys/psr_compat.h
1652 $(sparc_ONLY)file path=usr/include/v9/sys/vis_simulator.h
1653 file path=usr/include/valtools.h
1654 file path=usr/include/values.h
1655 file path=usr/include/varargs.h
1656 file path=usr/include/vm/anon.h
1657 file path=usr/include/vm/as.h
1658 file path=usr/include/vm/faultcode.h
1659 file path=usr/include/vm/hat.h
1660 file path=usr/include/vm/kpm.h
1661 file path=usr/include/vm/page.h
1662 file path=usr/include/vm/pvn.h
1663 file path=usr/include/vm/rm.h
1664 file path=usr/include/vm/seg.h
1665 file path=usr/include/vm/seg_dev.h
1666 file path=usr/include/vm/seg_enum.h
1667 file path=usr/include/vm/seg_kmem.h
1668 file path=usr/include/vm/seg_kp.h
1669 file path=usr/include/vm/seg_kpm.h
1670 file path=usr/include/vm/seg_map.h
1671 file path=usr/include/vm/seg_spt.h
1672 file path=usr/include/vm/seg_vn.h
1673 file path=usr/include/vm/vpage.h
1674 file path=usr/include/vm/vpm.h
1675 file path=usr/include/volmgt.h
1676 file path=usr/include/wait.h
1677 file path=usr/include/wchar.h
1678 file path=usr/include/wchar_impl.h
1679 file path=usr/include/wctype.h
1680 file path=usr/include/widec.h
1681 file path=usr/include/wordexp.h
1682 file path=usr/include/xlocale.h
1683 file path=usr/include/xti.h
1684 file path=usr/include/xti_inet.h
1685 file path=usr/include/zone.h
1686 file path=usr/include/zonestat.h
1687 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/acpidev.h
1688 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/amd_iommu.h
1689 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/asm_misc.h
1690 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/clock.h
1691 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/cram.h
1692 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/ddi_subrdefs.h
1693 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/debug_info.h
1694 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/fastboot.h
1695 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/mach_mmu.h
1696 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/machclock.h
1697 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/machcpuvar.h
1698 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/machparam.h
1699 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/machprivregs.h
1700 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/machsystem.h
1701 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/machthread.h
1702 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/memnode.h
1703 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/pc_mmu.h
1704 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/psm.h
1705 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/psm_defs.h
1706 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/psm_modctl.h
1707 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/psm_types.h
1708 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/rm_platler.h
1709 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/sbd_ioctl.h
1710 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/smp_impldefs.h

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1711 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/vm_machparam.h
1712 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/x_call.h
1713 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/xc_levels.h
1714 $(i386_ONLY)file path=usr/platform/i86pc/include/sys/xsvc.h
1715 $(i386_ONLY)file path=usr/platform/i86pc/include/vm/hat_i86.h
1716 $(i386_ONLY)file path=usr/platform/i86pc/include/vm/hat_pte.h
1717 $(i386_ONLY)file path=usr/platform/i86pc/include/vm/hment.h
1718 $(i386_ONLY)file path=usr/platform/i86pc/include/vm/htable.h
1719 $(i386_ONLY)file path=usr/platform/i86pc/include/vm/kboot_mmu.h
1720 $(i386_ONLY)file path=usr/platform/i86xpv/include/sys/balloon.h
1721 $(i386_ONLY)file path=usr/platform/i86xpv/include/sys/machprivregs.h
1722 $(i386_ONLY)file path=usr/platform/i86xpv/include/sys/xen_mmu.h
1723 $(i386_ONLY)file path=usr/platform/i86xpv/include/sys/xpv_impl.h
1724 $(i386_ONLY)file path=usr/platform/i86xpv/include/vm/seg_mf.h
1725 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/ac.h
1726 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/async.h
1727 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/cheetahregs.h
1728 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/cherrystone.h
1729 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/clock.h
1730 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/cmp.h
1731 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/cpc_ultra.h
1732 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/cpr_impl.h
1733 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/cpu_impl.h
1734 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/cpu_sgnblk_defs.h
1735 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/cvc.h
1736 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/daktari.h
1737 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/ddi_subrdefs.h
1738 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/dvma.h
1739 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/ecc_kstat.h
1740 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/EEPROM.h
1741 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/envctrl.h
1742 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/envctrl_gen.h
1743 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/envctrl_ue250.h
1744 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/envctrl_ue450.h
1745 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/environ.h
1746 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/errclassify.h
1747 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/fhc.h
1748 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/gpio_87317.h
1749 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/hpc3130_events.h
1750 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/i2c_clients/hpc3130.h
1751 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/i2c_clients/i2c_client.h
1752 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/i2c_clients/lm75.h
1753 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/i2c_clients/max1617.h
1754 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/i2c_clients/pcf8591.h
1755 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/i2c_clients/ssc050.h
1756 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/i2c/misc/i2c_svc.h
1757 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/idprom.h
1758 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/intr.h
1759 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/intreg.h
1760 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/iocache.h
1761 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/iommu.h
1762 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/ivintr.h
1763 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/lom_io.h
1764 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/machasi.h
1765 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/machclock.h
1766 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/machcpuvar.h
1767 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/machparam.h
1768 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/machsystem.h
1769 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/machthread.h
1770 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/mem_cache.h
1771 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/memlist_plat.h
1772 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/memnode.h
1773 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/mmu.h
1774 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/nexusdebug.h
1775 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/opl_hwdesc.h
1776 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/opl_module.h

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1777 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/prom_debug.h
1778 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/prom_plat.h
1779 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/pte.h
1780 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/sbd_ioctl.h
1781 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/scb.h
1782 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/scsb_led.h
1783 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/simmstat.h
1784 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/spitregs.h
1785 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/sram.h
1786 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/starfire.h
1787 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/sun4asi.h
1788 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/sysctrl.h
1789 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/sysioerr.h
1790 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/sysiosbus.h
1791 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/tod.h
1792 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/todmostek.h
1793 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/trapstat.h
1794 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/traptrace.h
1795 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/vis.h
1796 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/vm_machparam.h
1797 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/x_call.h
1798 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/xc_impl.h
1799 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/zsmach.h
1800 $(sparc_ONLY)file path=usr/platform/sun4u/include/vm/hat_sfmmu.h
1801 $(sparc_ONLY)file path=usr/platform/sun4u/include/vm/mach_sfmmu.h
1802 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/clk.h
1803 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/cmp.h
1804 $(sparc_ONLY)file path=usr/platform/sun4u/include/sys/cpc_ultra.h
1805 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/cpu_sgnblk_defs.h
1806 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/ddi_subrdefs.h
1807 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/ds_pri.h
1808 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/ds_smp.h
1809 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/dvma.h
1810 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/EEPROM.h
1811 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/fcode.h
1812 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/hsvc.h
1813 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/hypervisor_api.h
1814 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/idprom.h
1815 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/intr.h
1816 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/intreg.h
1817 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/ivintr.h
1818 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/machasi.h
1819 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/machclock.h
1820 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/machcpuvar.h
1821 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/machintreg.h
1822 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/machparam.h
1823 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/machsystem.h
1824 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/machthread.h
1825 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/memlist_plat.h
1826 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/memnode.h
1827 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/mmu.h
1828 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/nexusdebug.h
1829 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/niagaraasi.h
1830 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/niagararegs.h
1831 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/ntwdt.h
1832 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/pri.h
1833 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/prom_debug.h
1834 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/prom_plat.h
1835 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/pte.h
1836 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/qcn.h
1837 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/scb.h
1838 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/soft_state.h
1839 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/sun4asi.h
1840 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/tod.h
1841 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/trapstat.h
1842 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/traptrace.h

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1843 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/vis.h
1844 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/vm_machparam.h
1845 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/x_call.h
1846 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/xc_impl.h
1847 $(sparc_ONLY)file path=usr/platform/sun4v/include/sys/zsmach.h
1848 $(sparc_ONLY)file path=usr/platform/sun4v/include/vm/hat_sfmmu.h
1849 $(sparc_ONLY)file path=usr/platform/sun4v/include/vm/mach_sfmmu.h
1850 file path=usr/share/man/man3head/acct.h.3head
1851 file path=usr/share/man/man3head/aio.h.3head
1852 file path=usr/share/man/man3head/ar.h.3head
1853 file path=usr/share/man/man3head/archives.h.3head
1854 file path=usr/share/man/man3head/assert.h.3head
1855 file path=usr/share/man/man3head/complex.h.3head
1856 file path=usr/share/man/man3head/cpio.h.3head
1857 file path=usr/share/man/man3head/dirent.h.3head
1858 file path=usr/share/man/man3head/errno.h.3head
1859 file path=usr/share/man/man3head/fcntl.h.3head
1860 file path=usr/share/man/man3head/fenv.h.3head
1861 file path=usr/share/man/man3head/float.h.3head
1862 file path=usr/share/man/man3head/floatingpoint.h.3head
1863 file path=usr/share/man/man3head/fmtmsg.h.3head
1864 file path=usr/share/man/man3head/fnmatch.h.3head
1865 file path=usr/share/man/man3head/ftw.h.3head
1866 file path=usr/share/man/man3head/glob.h.3head
1867 file path=usr/share/man/man3head/grp.h.3head
1868 file path=usr/share/man/man3head/iconv.h.3head
1869 file path=usr/share/man/man3head/if.h.3head
1870 file path=usr/share/man/man3head/in.h.3head
1871 file path=usr/share/man/man3head/inet.h.3head
1872 file path=usr/share/man/man3head/inttypes.h.3head
1873 file path=usr/share/man/man3head/ipc.h.3head
1874 file path=usr/share/man/man3head/iso646.h.3head
1875 file path=usr/share/man/man3head/langinfo.h.3head
1876 file path=usr/share/man/man3head/libgen.h.3head
1877 file path=usr/share/man/man3head/libintl.h.3head
1878 file path=usr/share/man/man3head/limits.h.3head
1879 file path=usr/share/man/man3head/locale.h.3head
1880 file path=usr/share/man/man3head/math.h.3head
1881 file path=usr/share/man/man3head/mman.h.3head
1882 file path=usr/share/man/man3head/monetary.h.3head
1883 file path=usr/share/man/man3head/mqueue.h.3head
1884 file path=usr/share/man/man3head/msg.h.3head
1885 file path=usr/share/man/man3head/ndbm.h.3head
1886 file path=usr/share/man/man3head/netdb.h.3head
1887 file path=usr/share/man/man3head/nl_types.h.3head
1888 file path=usr/share/man/man3head/poll.h.3head
1889 file path=usr/share/man/man3head/pthread.h.3head
1890 file path=usr/share/man/man3head/pwd.h.3head
1891 file path=usr/share/man/man3head/regex.h.3head
1892 file path=usr/share/man/man3head/resource.h.3head
1893 file path=usr/share/man/man3head/sched.h.3head
1894 file path=usr/share/man/man3head/search.h.3head
1895 file path=usr/share/man/man3head/select.h.3head
1896 file path=usr/share/man/man3head/sem.h.3head
1897 file path=usr/share/man/man3head/semaphore.h.3head
1898 file path=usr/share/man/man3head/setjmp.h.3head
1899 file path=usr/share/man/man3head/shm.h.3head
1900 file path=usr/share/man/man3head/siginfo.h.3head
1901 file path=usr/share/man/man3head/signal.h.3head
1902 file path=usr/share/man/man3head/socket.h.3head
1903 file path=usr/share/man/man3head/spawn.h.3head
1904 file path=usr/share/man/man3head/stat.h.3head
1905 file path=usr/share/man/man3head/statvfs.h.3head
1906 file path=usr/share/man/man3head/stdbool.h.3head
1907 file path=usr/share/man/man3head/stddef.h.3head
1908 file path=usr/share/man/man3head/stdint.h.3head

```

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1909 file path=usr/share/man/man3head/stdio.h.3head
1910 file path=usr/share/man/man3head/stdlib.h.3head
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1913 file path=usr/share/man/man3head/stropts.h.3head
1914 file path=usr/share/man/man3head/syslog.h.3head
1915 file path=usr/share/man/man3head/tar.h.3head
1916 file path=usr/share/man/man3head/tcp.h.3head
1917 file path=usr/share/man/man3head/termios.h.3head
1918 file path=usr/share/man/man3head/tgmath.h.3head
1919 file path=usr/share/man/man3head/time.h.3head
1920 file path=usr/share/man/man3head/timeb.h.3head
1921 file path=usr/share/man/man3head/times.h.3head
1922 file path=usr/share/man/man3head/types.h.3head
1923 file path=usr/share/man/man3head/types32.h.3head
1924 file path=usr/share/man/man3head/ucontext.h.3head
1925 file path=usr/share/man/man3head/uio.h.3head
1926 file path=usr/share/man/man3head/ulimit.h.3head
1927 file path=usr/share/man/man3head/un.h.3head
1928 file path=usr/share/man/man3head/unistd.h.3head
1929 file path=usr/share/man/man3head/utime.h.3head
1930 file path=usr/share/man/man3head/utmpx.h.3head
1931 file path=usr/share/man/man3head/utname.h.3head
1932 file path=usr/share/man/man3head/values.h.3head
1933 file path=usr/share/man/man3head/wait.h.3head
1934 file path=usr/share/man/man3head/wchar.h.3head
1935 file path=usr/share/man/man3head/wctype.h.3head
1936 file path=usr/share/man/man3head/worDEXP.h.3head
1937 file path=usr/share/man/man3head/xlocale.h.3head
1938 file path=usr/share/man/man4/note.4
1939 file path=usr/share/man/man5/prof.5
1940 file path=usr/share/man/man7i/cdio.7i
1941 file path=usr/share/man/man7i/dkio.7i
1942 file path=usr/share/man/man7i/fbio.7i
1943 file path=usr/share/man/man7i/fdio.7i
1944 file path=usr/share/man/man7i/hdio.7i
1945 file path=usr/share/man/man7i/iec61883.7i
1946 file path=usr/share/man/man7i/mhd.7i
1947 file path=usr/share/man/man7i/mtio.7i
1948 file path=usr/share/man/man7i/prnio.7i
1949 file path=usr/share/man/man7i/quotactl.7i
1950 file path=usr/share/man/man7i/sesio.7i
1951 file path=usr/share/man/man7i/sockio.7i
1952 file path=usr/share/man/man7i/streamio.7i
1953 file path=usr/share/man/man7i/termio.7i
1954 file path=usr/share/man/man7i/termiox.7i
1955 file path=usr/share/man/man7i/uscsi.7i
1956 file path=usr/share/man/man7i/visual_io.7i
1957 file path=usr/share/man/man7i/vt.7i
1958 file path=usr/xpg4/include/curses.h
1959 file path=usr/xpg4/include/term.h
1960 file path=usr/xpg4/include/unctrl.h
1961 legacy pkg=SUNWhea \
1962 desc="SunOS C/C++ header files for general development of software" \
1963 name="SunOS Header Files"
1964 license cr_Sun license=cr_Sun
1965 license lic_CDDL license=lic_CDDL
1966 license license_in_headers license=license_in_headers
1967 license usr/src/lib/pkcs11/include/THIRDPARTYLICENSE \
1968 license=usr/src/lib/pkcs11/include/THIRDPARTYLICENSE
1969 link path=usr/include/iso/assert_iso.h target=../assert.h
1970 link path=usr/include/iso/errno_iso.h target=../errno.h
1971 link path=usr/include/iso/float_iso.h target=../float.h
1972 link path=usr/include/iso/iso646_iso.h target=../iso646.h
1973 $(sparc_ONLY)link path=usr/platform/SUNW,A70/include target=../sun4u/include
1974 $(sparc_ONLY)link path=usr/platform/SUNW,Netra-T12/include \

```

```

1975 target=../sun4u/include
1976 $(sparc_ONLY)link path=usr/platform/SUNW,Netra-T4/include \
1977 target=../sun4u/include
1978 $(sparc_ONLY)link path=usr/platform/SUNW,SPARC-Enterprise/include \
1979 target=../sun4u/include
1980 $(sparc_ONLY)link path=usr/platform/SUNW,Serverblad1/include \
1981 target=../sun4u/include
1982 $(sparc_ONLY)link path=usr/platform/SUNW,Sun-Blade-100/include \
1983 target=../sun4u/include
1984 $(sparc_ONLY)link path=usr/platform/SUNW,Sun-Blade-1000/include \
1985 target=../sun4u/include
1986 $(sparc_ONLY)link path=usr/platform/SUNW,Sun-Blade-1500/include \
1987 target=../sun4u/include
1988 $(sparc_ONLY)link path=usr/platform/SUNW,Sun-Blade-2500/include \
1989 target=../sun4u/include
1990 $(sparc_ONLY)link path=usr/platform/SUNW,Sun-Fire-15000/include \
1991 target=../sun4u/include
1992 $(sparc_ONLY)link path=usr/platform/SUNW,Sun-Fire-280R/include \
1993 target=../sun4u/include
1994 $(sparc_ONLY)link path=usr/platform/SUNW,Sun-Fire-480R/include \
1995 target=../sun4u/include
1996 $(sparc_ONLY)link path=usr/platform/SUNW,Sun-Fire-880/include \
1997 target=../sun4u/include
1998 $(sparc_ONLY)link path=usr/platform/SUNW,Sun-Fire-V215/include \
1999 target=../sun4u/include
2000 $(sparc_ONLY)link path=usr/platform/SUNW,Sun-Fire-V240/include \
2001 target=../sun4u/include
2002 $(sparc_ONLY)link path=usr/platform/SUNW,Sun-Fire-V250/include \
2003 target=../sun4u/include
2004 $(sparc_ONLY)link path=usr/platform/SUNW,Sun-Fire-V440/include \
2005 target=../sun4u/include
2006 $(sparc_ONLY)link path=usr/platform/SUNW,Sun-Fire-V445/include \
2007 target=../sun4u/include
2008 $(sparc_ONLY)link path=usr/platform/SUNW,Sun-Fire-V490/include \
2009 target=../sun4u/include
2010 $(sparc_ONLY)link path=usr/platform/SUNW,Sun-Fire-V890/include \
2011 target=../sun4u/include
2012 $(sparc_ONLY)link path=usr/platform/SUNW,Sun-Fire/include \
2013 target=../sun4u/include
2014 $(sparc_ONLY)link path=usr/platform/SUNW,Ultra-2/include \
2015 target=../sun4u/include
2016 $(sparc_ONLY)link path=usr/platform/SUNW,Ultra-250/include \
2017 target=../sun4u/include
2018 $(sparc_ONLY)link path=usr/platform/SUNW,Ultra-4/include \
2019 target=../sun4u/include
2020 $(sparc_ONLY)link path=usr/platform/SUNW,Ultra-Enterprise-10000/include \
2021 target=../sun4u/include
2022 $(sparc_ONLY)link path=usr/platform/SUNW,Ultra-Enterprise/include \
2023 target=../sun4u/include
2024 $(sparc_ONLY)link path=usr/platform/SUNW,UltraSPARC-IIe-NetraCT-40/include \
2025 target=../sun4u/include
2026 $(sparc_ONLY)link path=usr/platform/SUNW,UltraSPARC-IIe-NetraCT-60/include \
2027 target=../sun4u/include
2028 $(sparc_ONLY)link path=usr/platform/SUNW,UltraSPARC-IIi-Netract/include \
2029 target=../sun4u/include
2030 link path=usr/share/man/man3head/acct.3head target=acct.h.3head
2031 link path=usr/share/man/man3head/aio.3head target=aio.h.3head
2032 link path=usr/share/man/man3head/ar.3head target=ar.h.3head
2033 link path=usr/share/man/man3head/archives.3head target=archives.h.3head
2034 link path=usr/share/man/man3head/assert.3head target=assert.h.3head
2035 link path=usr/share/man/man3head/complex.3head target=complex.h.3head
2036 link path=usr/share/man/man3head/cpio.3head target=cpio.h.3head
2037 link path=usr/share/man/man3head/dirent.3head target=dirent.h.3head
2038 link path=usr/share/man/man3head/errno.3head target=errno.h.3head
2039 link path=usr/share/man/man3head/fcntl.3head target=fcntl.h.3head
2040 link path=usr/share/man/man3head/fenv.3head target=fenv.h.3head

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2041 link path=usr/share/man/man3head/float.3head target=float.h.3head
2042 link path=usr/share/man/man3head/floatingpoint.3head \
2043 target=floatingpoint.h.3head
2044 link path=usr/share/man/man3head/fmtmsg.3head target=fmtmsg.h.3head
2045 link path=usr/share/man/man3head/fnmatch.3head target=fnmatch.h.3head
2046 link path=usr/share/man/man3head/ftw.3head target=ftw.h.3head
2047 link path=usr/share/man/man3head/glob.3head target=glob.h.3head
2048 link path=usr/share/man/man3head/grp.3head target=grp.h.3head
2049 link path=usr/share/man/man3head/iconv.3head target=iconv.h.3head
2050 link path=usr/share/man/man3head/if.3head target=if.h.3head
2051 link path=usr/share/man/man3head/in.3head target=in.h.3head
2052 link path=usr/share/man/man3head/inet.3head target=inet.h.3head
2053 link path=usr/share/man/man3head/inttypes.3head target=inttypes.h.3head
2054 link path=usr/share/man/man3head/ipc.3head target=ipc.h.3head
2055 link path=usr/share/man/man3head/iso646.3head target=iso646.h.3head
2056 link path=usr/share/man/man3head/langinfo.3head target=langinfo.h.3head
2057 link path=usr/share/man/man3head/libgen.3head target=libgen.h.3head
2058 link path=usr/share/man/man3head/libintl.3head target=libintl.h.3head
2059 link path=usr/share/man/man3head/limits.3head target=limits.h.3head
2060 link path=usr/share/man/man3head/locale.3head target=locale.h.3head
2061 link path=usr/share/man/man3head/math.3head target=math.h.3head
2062 link path=usr/share/man/man3head/mman.3head target=mman.h.3head
2063 link path=usr/share/man/man3head/monetary.3head target=monetary.h.3head
2064 link path=usr/share/man/man3head/mqueue.3head target=mqueue.h.3head
2065 link path=usr/share/man/man3head/msg.3head target=msg.h.3head
2066 link path=usr/share/man/man3head/ndbm.3head target=ndbm.h.3head
2067 link path=usr/share/man/man3head/netdb.3head target=netdb.h.3head
2068 link path=usr/share/man/man3head/nl_types.3head target=nl_types.h.3head
2069 link path=usr/share/man/man3head/poll.3head target=poll.h.3head
2070 link path=usr/share/man/man3head/pthread.3head target=pthread.h.3head
2071 link path=usr/share/man/man3head/pwd.3head target=pwd.h.3head
2072 link path=usr/share/man/man3head/regex.3head target=regex.h.3head
2073 link path=usr/share/man/man3head/resource.3head target=resource.h.3head
2074 link path=usr/share/man/man3head/sched.3head target=sched.h.3head
2075 link path=usr/share/man/man3head/search.3head target=search.h.3head
2076 link path=usr/share/man/man3head/select.3head target=select.h.3head
2077 link path=usr/share/man/man3head/sem.3head target=sem.h.3head
2078 link path=usr/share/man/man3head/semaphore.3head target=semaphore.h.3head
2079 link path=usr/share/man/man3head/setjmp.3head target=setjmp.h.3head
2080 link path=usr/share/man/man3head/shm.3head target=shm.h.3head
2081 link path=usr/share/man/man3head/siginfo.3head target=siginfo.h.3head
2082 link path=usr/share/man/man3head/signal.3head target=signal.h.3head
2083 link path=usr/share/man/man3head/socket.3head target=socket.h.3head
2084 link path=usr/share/man/man3head/spawn.3head target=spawn.h.3head
2085 link path=usr/share/man/man3head/stat.3head target=stat.h.3head
2086 link path=usr/share/man/man3head/statvfs.3head target=statvfs.h.3head
2087 link path=usr/share/man/man3head/stdbool.3head target=stdbool.h.3head
2088 link path=usr/share/man/man3head/stddef.3head target=stddef.h.3head
2089 link path=usr/share/man/man3head/stdint.3head target=stdint.h.3head
2090 link path=usr/share/man/man3head/stdio.3head target=stdio.h.3head
2091 link path=usr/share/man/man3head/stdlib.3head target=stdlib.h.3head
2092 link path=usr/share/man/man3head/string.3head target=string.h.3head
2093 link path=usr/share/man/man3head/strings.3head target=strings.h.3head
2094 link path=usr/share/man/man3head/stropts.3head target=stropts.h.3head
2095 link path=usr/share/man/man3head/syslog.3head target=syslog.h.3head
2096 link path=usr/share/man/man3head/tar.3head target=tar.h.3head
2097 link path=usr/share/man/man3head/tcp.3head target=tc.h.3head
2098 link path=usr/share/man/man3head/termios.3head target=termios.h.3head
2099 link path=usr/share/man/man3head/tgmath.3head target=tgmath.h.3head
2100 link path=usr/share/man/man3head/time.3head target=time.h.3head
2101 link path=usr/share/man/man3head/timeb.3head target=timeb.h.3head
2102 link path=usr/share/man/man3head/times.3head target=times.h.3head
2103 link path=usr/share/man/man3head/types.3head target=types.h.3head
2104 link path=usr/share/man/man3head/types32.3head target=types32.h.3head
2105 link path=usr/share/man/man3head/ucontext.3head target=ucontext.h.3head
2106 link path=usr/share/man/man3head/uio.3head target=uio.h.3head

```

```
2107 link path=usr/share/man/man3head/ulimit.3head target=ulimit.h.3head
2108 link path=usr/share/man/man3head/un.3head target=un.h.3head
2109 link path=usr/share/man/man3head/unistd.3head target=unistd.h.3head
2110 link path=usr/share/man/man3head/utime.3head target=utime.h.3head
2111 link path=usr/share/man/man3head/utmpx.3head target=utmpx.h.3head
2112 link path=usr/share/man/man3head/utsname.3head target=utsname.h.3head
2113 link path=usr/share/man/man3head/values.3head target=values.h.3head
2114 link path=usr/share/man/man3head/wait.3head target=wait.h.3head
2115 link path=usr/share/man/man3head/wchar.3head target=wchar.h.3head
2116 link path=usr/share/man/man3head/wctype.3head target=wctype.h.3head
2117 link path=usr/share/man/man3head/wordexp.3head target=wordexp.h.3head
2118 link path=usr/share/man/man3head/xlocale.3head target=xlocale.h.3head
2119 $(i386_ONLY)link path=usr/share/src/uts/i86pc/sys \
2120     target=../../../../platform/i86pc/include/sys
2121 $(i386_ONLY)link path=usr/share/src/uts/i86pc/vm \
2122     target=../../../../platform/i86pc/include/vm
2123 $(i386_ONLY)link path=usr/share/src/uts/i86xpv/sys \
2124     target=../../../../platform/i86xpv/include/sys
2125 $(i386_ONLY)link path=usr/share/src/uts/i86xpv/vm \
2126     target=../../../../platform/i86xpv/include/vm
2127 $(sparc_ONLY)link path=usr/share/src/uts/sun4u/sys \
2128     target=../../../../platform/sun4u/include/sys
2129 $(sparc_ONLY)link path=usr/share/src/uts/sun4u/vm \
2130     target=../../../../platform/sun4u/include/vm
2131 $(sparc_ONLY)link path=usr/share/src/uts/sun4v/sys \
2132     target=../../../../platform/sun4v/include/sys
2133 $(sparc_ONLY)link path=usr/share/src/uts/sun4v/vm \
2134     target=../../../../platform/sun4v/include/vm
```

new/usr/src/pkg/manifests/system-library.man3c.inc

1

\*\*\*\*\*

73379 Sun Jun 29 11:52:40 2014

new/usr/src/pkg/manifests/system-library.man3c.inc

Garrett's man page edits.

\*\*\*\*\*

```
1 #
2 # This file and its contents are supplied under the terms of the
3 # Common Development and Distribution License ("CDDL"), version 1.0.
4 # You may only use this file in accordance with the terms of version
5 # 1.0 of the CDDL.
6 #
7 # A full copy of the text of the CDDL should have accompanied this
8 # source. A copy of the CDDL is also available via the Internet
9 # at http://www.illumos.org/license/CDDL.
```

10 #

```
12 #
13 # Copyright 2011, Richard Lowe
14 # Copyright 2013 Nexenta Systems, Inc. All rights reserved.
15 # Copyright 2013 OmniTI Computer Consulting, Inc. All rights reserved.
16 # Copyright 2014 Garrett D'Amore <garrett@damore.org>
17 #
```

```
19 file path=usr/share/man/man3c/_fbufsize.3c
20 file path=usr/share/man/man3c/_longjmp.3c
21 file path=usr/share/man/man3c/_stack_grow.3c
22 file path=usr/share/man/man3c/a64l.3c
23 file path=usr/share/man/man3c/abort.3c
24 file path=usr/share/man/man3c/abs.3c
25 file path=usr/share/man/man3c/addsev.3c
26 file path=usr/share/man/man3c/addseverity.3c
27 file path=usr/share/man/man3c/aio_cancel.3c
28 file path=usr/share/man/man3c/aio_error.3c
29 file path=usr/share/man/man3c/aio_fsync.3c
30 file path=usr/share/man/man3c/aio_read.3c
31 file path=usr/share/man/man3c/aio_return.3c
32 file path=usr/share/man/man3c/aio_suspend.3c
33 file path=usr/share/man/man3c/aio_waitn.3c
34 file path=usr/share/man/man3c/aio_write.3c
35 file path=usr/share/man/man3c/aiocancel.3c
36 file path=usr/share/man/man3c/aioread.3c
37 file path=usr/share/man/man3c/aiowait.3c
38 file path=usr/share/man/man3c/assert.3c
39 file path=usr/share/man/man3c/atexit.3c
40 file path=usr/share/man/man3c/atomic_add.3c
41 file path=usr/share/man/man3c/atomic_and.3c
42 file path=usr/share/man/man3c/atomic_bits.3c
43 file path=usr/share/man/man3c/atomic_cas.3c
44 file path=usr/share/man/man3c/atomic_dec.3c
45 file path=usr/share/man/man3c/atomic_inc.3c
46 file path=usr/share/man/man3c/atomic_ops.3c
47 file path=usr/share/man/man3c/atomic_or.3c
48 file path=usr/share/man/man3c/atomic_swap.3c
49 file path=usr/share/man/man3c/attropen.3c
50 file path=usr/share/man/man3c/basename.3c
51 file path=usr/share/man/man3c/bsd_signal.3c
52 file path=usr/share/man/man3c/bsearch.3c
53 file path=usr/share/man/man3c/bstring.3c
54 file path=usr/share/man/man3c/btowc.3c
55 file path=usr/share/man/man3c/catgets.3c
56 file path=usr/share/man/man3c/catopen.3c
57 file path=usr/share/man/man3c/cfgetispeed.3c
58 file path=usr/share/man/man3c/cfsetispeed.3c
59 file path=usr/share/man/man3c/clock.3c
60 file path=usr/share/man/man3c/clock_nanosleep.3c
61 file path=usr/share/man/man3c/clock_settime.3c
```

new/usr/src/pkg/manifests/system-library.man3c.inc

2

```
62 file path=usr/share/man/man3c/closedir.3c
63 file path=usr/share/man/man3c/closefrom.3c
64 file path=usr/share/man/man3c/cond_init.3c
65 file path=usr/share/man/man3c/confstr.3c
66 file path=usr/share/man/man3c/crypt.3c
67 file path=usr/share/man/man3c/crypt_genhash_impl.3c
68 file path=usr/share/man/man3c/crypt_gensalt.3c
69 file path=usr/share/man/man3c/crypt_gensalt_impl.3c
70 file path=usr/share/man/man3c/cset.3c
71 file path=usr/share/man/man3c/ctermid.3c
72 file path=usr/share/man/man3c/ctime.3c
73 file path=usr/share/man/man3c/ctype.3c
74 file path=usr/share/man/man3c/cuserid.3c
75 file path=usr/share/man/man3c/daemon.3c
76 file path=usr/share/man/man3c/decimal_to_floating.3c
77 file path=usr/share/man/man3c/difftime.3c
78 file path=usr/share/man/man3c/directio.3c
79 file path=usr/share/man/man3c/dirfd.3c
80 file path=usr/share/man/man3c/dirname.3c
81 file path=usr/share/man/man3c/div.3c
82 file path=usr/share/man/man3c/dladdr.3c
83 file path=usr/share/man/man3c/dlclose.3c
84 file path=usr/share/man/man3c/dldump.3c
85 file path=usr/share/man/man3c/dlerror.3c
86 file path=usr/share/man/man3c/dlinfo.3c
87 file path=usr/share/man/man3c/dlopen.3c
88 file path=usr/share/man/man3c/dlsym.3c
89 file path=usr/share/man/man3c/door_bind.3c
90 file path=usr/share/man/man3c/door_call.3c
91 file path=usr/share/man/man3c/door_create.3c
92 file path=usr/share/man/man3c/door_cred.3c
93 file path=usr/share/man/man3c/door_getparam.3c
94 file path=usr/share/man/man3c/door_info.3c
95 file path=usr/share/man/man3c/door_return.3c
96 file path=usr/share/man/man3c/door_revoke.3c
97 file path=usr/share/man/man3c/door_server_create.3c
98 file path=usr/share/man/man3c/door_ucred.3c
99 file path=usr/share/man/man3c/drand48.3c
100 file path=usr/share/man/man3c/dup2.3c
101 file path=usr/share/man/man3c/econvert.3c
102 file path=usr/share/man/man3c/ecvt.3c
103 file path=usr/share/man/man3c/enable_extended_FILE_stdio.3c
104 file path=usr/share/man/man3c/encrypt.3c
105 file path=usr/share/man/man3c/end.3c
106 file path=usr/share/man/man3c/err.3c
107 file path=usr/share/man/man3c/euclen.3c
108 file path=usr/share/man/man3c/exit.3c
109 file path=usr/share/man/man3c/fattach.3c
110 file path=usr/share/man/man3c/fclose.3c
111 file path=usr/share/man/man3c/fdatasync.3c
112 file path=usr/share/man/man3c/fdetach.3c
113 file path=usr/share/man/man3c/fdopen.3c
114 file path=usr/share/man/man3c/ferror.3c
115 file path=usr/share/man/man3c/fflush.3c
116 file path=usr/share/man/man3c/ffs.3c
117 file path=usr/share/man/man3c/fgetattr.3c
118 file path=usr/share/man/man3c/fgetc.3c
119 file path=usr/share/man/man3c/fgetpos.3c
120 file path=usr/share/man/man3c/fgetwc.3c
121 file path=usr/share/man/man3c/floating_to_decimal.3c
122 file path=usr/share/man/man3c/flockfile.3c
123 file path=usr/share/man/man3c/fmtmsg.3c
124 file path=usr/share/man/man3c/fnmatch.3c
125 file path=usr/share/man/man3c/fopen.3c
126 file path=usr/share/man/man3c/fpgetround.3c
127 file path=usr/share/man/man3c/fputc.3c
```

```

128 file path=usr/share/man/man3c/fputc.3c
129 file path=usr/share/man/man3c/fputws.3c
130 file path=usr/share/man/man3c/fread.3c
131 file path=usr/share/man/man3c/freopen.3c
132 file path=usr/share/man/man3c/fseek.3c
133 file path=usr/share/man/man3c/fsetpos.3c
134 file path=usr/share/man/man3c/fsync.3c
135 file path=usr/share/man/man3c/ftell.3c
136 file path=usr/share/man/man3c/ftime.3c
137 file path=usr/share/man/man3c/ftok.3c
138 file path=usr/share/man/man3c/ftw.3c
139 file path=usr/share/man/man3c/fwide.3c
140 file path=usr/share/man/man3c/fwprintf.3c
141 file path=usr/share/man/man3c/fwrite.3c
142 file path=usr/share/man/man3c/fwscanf.3c
143 file path=usr/share/man/man3c/getcpuid.3c
144 file path=usr/share/man/man3c/getcwd.3c
145 file path=usr/share/man/man3c/getdate.3c
146 file path=usr/share/man/man3c/getdtablesize.3c
147 file path=usr/share/man/man3c/getenv.3c
148 file path=usr/share/man/man3c/getexecname.3c
149 file path=usr/share/man/man3c/getgrnam.3c
150 file path=usr/share/man/man3c/gethostid.3c
151 file path=usr/share/man/man3c/gethostname.3c
152 file path=usr/share/man/man3c/gethrtime.3c
153 file path=usr/share/man/man3c/getline.3c
154 file path=usr/share/man/man3c/getloadavg.3c
155 file path=usr/share/man/man3c/getlogin.3c
156 file path=usr/share/man/man3c/getmntent.3c
157 file path=usr/share/man/man3c/getnetgrent.3c
158 file path=usr/share/man/man3c/getopt.3c
159 file path=usr/share/man/man3c/getpagesize.3c
160 file path=usr/share/man/man3c/getpagesizes.3c
161 file path=usr/share/man/man3c/getpass.3c
162 file path=usr/share/man/man3c/getpeerucred.3c
163 file path=usr/share/man/man3c/getpriority.3c
164 file path=usr/share/man/man3c/getpw.3c
165 file path=usr/share/man/man3c/getpwnam.3c
166 file path=usr/share/man/man3c/getrusage.3c
167 file path=usr/share/man/man3c/gets.3c
168 file path=usr/share/man/man3c/getspnam.3c
169 file path=usr/share/man/man3c/getsubopt.3c
170 file path=usr/share/man/man3c/gettext.3c
171 file path=usr/share/man/man3c/gettimeofday.3c
172 file path=usr/share/man/man3c/gettxt.3c
173 file path=usr/share/man/man3c/getusershell.3c
174 file path=usr/share/man/man3c/getutent.3c
175 file path=usr/share/man/man3c/getutxent.3c
176 file path=usr/share/man/man3c/getvfsent.3c
177 file path=usr/share/man/man3c/getwc.3c
178 file path=usr/share/man/man3c/getwchar.3c
179 file path=usr/share/man/man3c/getwd.3c
180 file path=usr/share/man/man3c/getwidth.3c
181 file path=usr/share/man/man3c/getws.3c
182 file path=usr/share/man/man3c/getzoneid.3c
183 file path=usr/share/man/man3c/glob.3c
184 file path=usr/share/man/man3c/grantpt.3c
185 file path=usr/share/man/man3c/hsearch.3c
186 file path=usr/share/man/man3c/iconv.3c
187 file path=usr/share/man/man3c/iconv_close.3c
188 file path=usr/share/man/man3c/iconv_open.3c
189 file path=usr/share/man/man3c/imaxabs.3c
190 file path=usr/share/man/man3c/imaxdiv.3c
191 file path=usr/share/man/man3c/index.3c
192 file path=usr/share/man/man3c/initgroups.3c
193 file path=usr/share/man/man3c/insque.3c

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194 file path=usr/share/man/man3c/is_system_labeled.3c
195 file path=usr/share/man/man3c/isaexec.3c
196 file path=usr/share/man/man3c/isastream.3c
197 file path=usr/share/man/man3c/isatty.3c
198 file path=usr/share/man/man3c/isnand.3c
199 file path=usr/share/man/man3c/iswalph.3c
200 file path=usr/share/man/man3c/iswctype.3c
201 file path=usr/share/man/man3c/killpg.3c
202 file path=usr/share/man/man3c/lckpddf.3c
203 file path=usr/share/man/man3c/lfmt.3c
204 file path=usr/share/man/man3c/lio_listio.3c
205 file path=usr/share/man/man3c/localeconv.3c
206 file path=usr/share/man/man3c/lockf.3c
207 file path=usr/share/man/man3c/lsearch.3c
208 file path=usr/share/man/man3c/madvice.3c
209 file path=usr/share/man/man3c/makecontext.3c
210 file path=usr/share/man/man3c/makedev.3c
211 file path=usr/share/man/man3c/malloc.3c
212 file path=usr/share/man/man3c/mblen.3c
213 file path=usr/share/man/man3c/mbrlen.3c
214 file path=usr/share/man/man3c/mbrtowc.3c
215 file path=usr/share/man/man3c/mbsinit.3c
216 file path=usr/share/man/man3c/mbsrtowcs.3c
217 file path=usr/share/man/man3c/mbtowc.3c
218 file path=usr/share/man/man3c/membar_ops.3c
219 file path=usr/share/man/man3c/memory.3c
220 file path=usr/share/man/man3c/mkfifo.3c
221 file path=usr/share/man/man3c/mkstemp.3c
222 file path=usr/share/man/man3c/mktemp.3c
223 file path=usr/share/man/man3c/mktime.3c
224 file path=usr/share/man/man3c/mlock.3c
225 file path=usr/share/man/man3c/mlockall.3c
226 file path=usr/share/man/man3c/monitor.3c
227 file path=usr/share/man/man3c/mq_close.3c
228 file path=usr/share/man/man3c/mq_getattr.3c
229 file path=usr/share/man/man3c/mq_notify.3c
230 file path=usr/share/man/man3c/mq_open.3c
231 file path=usr/share/man/man3c/mq_receive.3c
232 file path=usr/share/man/man3c/mq_send.3c
233 file path=usr/share/man/man3c/mq_setattr.3c
234 file path=usr/share/man/man3c/mq_unlink.3c
235 file path=usr/share/man/man3c/msync.3c
236 file path=usr/share/man/man3c/mutex_init.3c
237 file path=usr/share/man/man3c/nanosleep.3c
238 file path=usr/share/man/man3c/ndbm.3c
239 file path=usr/share/man/man3c/newlocale.3c
240 file path=usr/share/man/man3c/nl_langinfo.3c
241 file path=usr/share/man/man3c/offsetof.3c
242 file path=usr/share/man/man3c/opendir.3c
243 file path=usr/share/man/man3c/perror.3c
244 file path=usr/share/man/man3c/pfmt.3c
245 file path=usr/share/man/man3c/plock.3c
246 file path=usr/share/man/man3c/popen.3c
247 file path=usr/share/man/man3c/port_alert.3c
248 file path=usr/share/man/man3c/port_associate.3c
249 file path=usr/share/man/man3c/port_create.3c
250 file path=usr/share/man/man3c/port_get.3c
251 file path=usr/share/man/man3c/port_send.3c
252 file path=usr/share/man/man3c/posix_fadvise.3c
253 file path=usr/share/man/man3c/posix_fallocate.3c
254 file path=usr/share/man/man3c/posix_madvise.3c
255 file path=usr/share/man/man3c/posix_memalign.3c
256 file path=usr/share/man/man3c/posix_openpt.3c
257 file path=usr/share/man/man3c/posix_spawn.3c
258 file path=usr/share/man/man3c/posix_spawn_file_actions_addclose.3c
259 file path=usr/share/man/man3c/posix_spawn_file_actions_addclosefrom_np.3c

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260 file path=usr/share/man/man3c/posix_spawn_file_actions_adddup.3c
261 file path=usr/share/man/man3c/posix_spawn_file_actions_destroy.3c
262 file path=usr/share/man/man3c/posix_spawn_pipe_np.3c
263 file path=usr/share/man/man3c/posix_spawnattr_destroy.3c
264 file path=usr/share/man/man3c/posix_spawnattr_getflags.3c
265 file path=usr/share/man/man3c/posix_spawnattr_getpgroup.3c
266 file path=usr/share/man/man3c/posix_spawnattr_getschedparam.3c
267 file path=usr/share/man/man3c/posix_spawnattr_getschedpolicy.3c
268 file path=usr/share/man/man3c/posix_spawnattr_getsigdefault.3c
269 file path=usr/share/man/man3c/posix_spawnattr_getsigignore_np.3c
270 file path=usr/share/man/man3c/posix_spawnattr_getsigmask.3c
271 file path=usr/share/man/man3c/printf.3c
272 file path=usr/share/man/man3c/priv_addset.3c
273 file path=usr/share/man/man3c/priv_set.3c
274 file path=usr/share/man/man3c/priv_str_to_set.3c
275 file path=usr/share/man/man3c/pset_getloadavg.3c
276 file path=usr/share/man/man3c/psignal.3c
277 file path=usr/share/man/man3c/pthread_atfork.3c
278 file path=usr/share/man/man3c/pthread_attr_getdetachstate.3c
279 file path=usr/share/man/man3c/pthread_attr_getguardsize.3c
280 file path=usr/share/man/man3c/pthread_attr_getinheritsched.3c
281 file path=usr/share/man/man3c/pthread_attr_getschedparam.3c
282 file path=usr/share/man/man3c/pthread_attr_getschedpolicy.3c
283 file path=usr/share/man/man3c/pthread_attr_getscope.3c
284 file path=usr/share/man/man3c/pthread_attr_getstack.3c
285 file path=usr/share/man/man3c/pthread_attr_getstackaddr.3c
286 file path=usr/share/man/man3c/pthread_attr_getstacksize.3c
287 file path=usr/share/man/man3c/pthread_attr_init.3c
288 file path=usr/share/man/man3c/pthread_barrier_destroy.3c
289 file path=usr/share/man/man3c/pthread_barrier_wait.3c
290 file path=usr/share/man/man3c/pthread_barrierattr_destroy.3c
291 file path=usr/share/man/man3c/pthread_barrierattr_getpshared.3c
292 file path=usr/share/man/man3c/pthread_cancel.3c
293 file path=usr/share/man/man3c/pthread_cleanup_pop.3c
294 file path=usr/share/man/man3c/pthread_cleanup_push.3c
295 file path=usr/share/man/man3c/pthread_cond_init.3c
296 file path=usr/share/man/man3c/pthread_cond_signal.3c
297 file path=usr/share/man/man3c/pthread_cond_wait.3c
298 file path=usr/share/man/man3c/pthread_condattr_getclock.3c
299 file path=usr/share/man/man3c/pthread_condattr_getpshared.3c
300 file path=usr/share/man/man3c/pthread_condattr_init.3c
301 file path=usr/share/man/man3c/pthread_create.3c
302 file path=usr/share/man/man3c/pthread_detach.3c
303 file path=usr/share/man/man3c/pthread_equal.3c
304 file path=usr/share/man/man3c/pthread_exit.3c
305 file path=usr/share/man/man3c/pthread_getconcurrency.3c
306 file path=usr/share/man/man3c/pthread_getschedparam.3c
307 file path=usr/share/man/man3c/pthread_getspecific.3c
308 file path=usr/share/man/man3c/pthread_join.3c
309 file path=usr/share/man/man3c/pthread_key_create.3c
310 file path=usr/share/man/man3c/pthread_key_delete.3c
311 file path=usr/share/man/man3c/pthread_kill.3c
312 file path=usr/share/man/man3c/pthread_mutex_getprioceiling.3c
313 file path=usr/share/man/man3c/pthread_mutex_init.3c
314 file path=usr/share/man/man3c/pthread_mutex_lock.3c
315 file path=usr/share/man/man3c/pthread_mutex_timedlock.3c
316 file path=usr/share/man/man3c/pthread_mutexattr_getprioceiling.3c
317 file path=usr/share/man/man3c/pthread_mutexattr_getprotocol.3c
318 file path=usr/share/man/man3c/pthread_mutexattr_getpshared.3c
319 file path=usr/share/man/man3c/pthread_mutexattr_gettype.3c
320 file path=usr/share/man/man3c/pthread_mutexattr_init.3c
321 file path=usr/share/man/man3c/pthread_once.3c
322 file path=usr/share/man/man3c/pthread_rwlock_init.3c
323 file path=usr/share/man/man3c/pthread_rwlock_rdlock.3c
324 file path=usr/share/man/man3c/pthread_rwlock_timedrdlock.3c
325 file path=usr/share/man/man3c/pthread_rwlock_timedwrlock.3c

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326 file path=usr/share/man/man3c/pthread_rwlock_unlock.3c
327 file path=usr/share/man/man3c/pthread_rwlock_wrlock.3c
328 file path=usr/share/man/man3c/pthread_rwlockattr_getpshared.3c
329 file path=usr/share/man/man3c/pthread_rwlockattr_init.3c
330 file path=usr/share/man/man3c/pthread_self.3c
331 file path=usr/share/man/man3c/pthread_setcancelstate.3c
332 file path=usr/share/man/man3c/pthread_setcanceltype.3c
333 file path=usr/share/man/man3c/pthread_setschedprio.3c
334 file path=usr/share/man/man3c/pthread_sigmask.3c
335 file path=usr/share/man/man3c/pthread_spin_destroy.3c
336 file path=usr/share/man/man3c/pthread_spin_lock.3c
337 file path=usr/share/man/man3c/pthread_spin_unlock.3c
338 file path=usr/share/man/man3c/pthread_testcancel.3c
339 file path=usr/share/man/man3c/ptrace.3c
340 file path=usr/share/man/man3c/ptsname.3c
341 file path=usr/share/man/man3c/putenv.3c
342 file path=usr/share/man/man3c/putpwent.3c
343 file path=usr/share/man/man3c/puts.3c
344 file path=usr/share/man/man3c/putspent.3c
345 file path=usr/share/man/man3c/putws.3c
346 file path=usr/share/man/man3c/qsort.3c
347 file path=usr/share/man/man3c/raise.3c
348 file path=usr/share/man/man3c/rand.3c
349 file path=usr/share/man/man3c/random.3c
350 file path=usr/share/man/man3c/rctl_walk.3c
351 file path=usr/share/man/man3c/rctlblk_set_value.3c
352 file path=usr/share/man/man3c/re_comp.3c
353 file path=usr/share/man/man3c/readdir.3c
354 file path=usr/share/man/man3c/realpath.3c
355 file path=usr/share/man/man3c/reboot.3c
356 file path=usr/share/man/man3c/regcomp.3c
357 file path=usr/share/man/man3c/regcomp.3c
358 file path=usr/share/man/man3c/remove.3c
359 file path=usr/share/man/man3c/rewind.3c
360 file path=usr/share/man/man3c/rewinddir.3c
361 file path=usr/share/man/man3c/rwlock.3c
362 file path=usr/share/man/man3c/scandir.3c
363 file path=usr/share/man/man3c/scanf.3c
364 file path=usr/share/man/man3c/sched_get_priority_max.3c
365 file path=usr/share/man/man3c/sched_getparam.3c
366 file path=usr/share/man/man3c/sched_getscheduler.3c
367 file path=usr/share/man/man3c/sched_rr_get_interval.3c
368 file path=usr/share/man/man3c/sched_setparam.3c
369 file path=usr/share/man/man3c/sched_setscheduler.3c
370 file path=usr/share/man/man3c/sched_yield.3c
371 file path=usr/share/man/man3c/schedctl_init.3c
372 file path=usr/share/man/man3c/seekdir.3c
373 file path=usr/share/man/man3c/select.3c
374 file path=usr/share/man/man3c/sem_close.3c
375 file path=usr/share/man/man3c/sem_destroy.3c
376 file path=usr/share/man/man3c/sem_getvalue.3c
377 file path=usr/share/man/man3c/sem_init.3c
378 file path=usr/share/man/man3c/sem_open.3c
379 file path=usr/share/man/man3c/sem_post.3c
380 file path=usr/share/man/man3c/sem_timedwait.3c
381 file path=usr/share/man/man3c/sem_unlink.3c
382 file path=usr/share/man/man3c/sem_wait.3c
383 file path=usr/share/man/man3c/semaphore.3c
384 file path=usr/share/man/man3c/setbuf.3c
385 file path=usr/share/man/man3c/setbuffer.3c
386 file path=usr/share/man/man3c/setcat.3c
387 file path=usr/share/man/man3c/setenv.3c
388 file path=usr/share/man/man3c/setjmp.3c
389 file path=usr/share/man/man3c/setkey.3c
390 file path=usr/share/man/man3c/setlabel.3c
391 file path=usr/share/man/man3c/setlocale.3c

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392 file path=usr/share/man/man3c/shm_open.3c
393 file path=usr/share/man/man3c/shm_unlink.3c
394 file path=usr/share/man/man3c/sigfpe.3c
395 file path=usr/share/man/man3c/siginterrupt.3c
396 file path=usr/share/man/man3c/signal.3c
397 file path=usr/share/man/man3c/sigqueue.3c
398 file path=usr/share/man/man3c/sigsetops.3c
399 file path=usr/share/man/man3c/sigstack.3c
400 file path=usr/share/man/man3c/sigwaitinfo.3c
401 file path=usr/share/man/man3c/sleep.3c
402 file path=usr/share/man/man3c/ssignal.3c
403 file path=usr/share/man/man3c/stack_getbounds.3c
404 file path=usr/share/man/man3c/stack_inbounds.3c
405 file path=usr/share/man/man3c/stack_setbounds.3c
406 file path=usr/share/man/man3c/stack_violation.3c
407 file path=usr/share/man/man3c/stdio.3c
408 file path=usr/share/man/man3c/str2sig.3c
409 file path=usr/share/man/man3c/strcoll.3c
410 file path=usr/share/man/man3c/strerror.3c
411 file path=usr/share/man/man3c/strfmon.3c
412 file path=usr/share/man/man3c/strftime.3c
413 file path=usr/share/man/man3c/string.3c
414 file path=usr/share/man/man3c/string_to_decimal.3c
415 file path=usr/share/man/man3c/strptime.3c
416 file path=usr/share/man/man3c/strsignal.3c
417 file path=usr/share/man/man3c/strtod.3c
418 file path=usr/share/man/man3c/strtoimax.3c
419 file path=usr/share/man/man3c/strtoul.3c
420 file path=usr/share/man/man3c/strtol.3c
421 file path=usr/share/man/man3c/strxfrm.3c
422 file path=usr/share/man/man3c/swab.3c
423 file path=usr/share/man/man3c/swab.3c
424 file path=usr/share/man/man3c/sync_instruction_memory.3c
425 file path=usr/share/man/man3c/sysconf.3c
426 file path=usr/share/man/man3c/syslog.3c
427 file path=usr/share/man/man3c/system.3c
428 file path=usr/share/man/man3c/tcdrain.3c
429 file path=usr/share/man/man3c/tcflow.3c
430 file path=usr/share/man/man3c/tcflush.3c
431 file path=usr/share/man/man3c/tcgetattr.3c
432 file path=usr/share/man/man3c/tcgetpgrp.3c
433 file path=usr/share/man/man3c/tcgetsid.3c
434 file path=usr/share/man/man3c/tcseendbreak.3c
435 file path=usr/share/man/man3c/tcsetattr.3c
436 file path=usr/share/man/man3c/tcsetpgrp.3c
437 file path=usr/share/man/man3c/tell.3c
438 file path=usr/share/man/man3c/telldir.3c
439 file path=usr/share/man/man3c/termios.3c
440 file path=usr/share/man/man3c/thr_create.3c
441 file path=usr/share/man/man3c/thr_exit.3c
442 file path=usr/share/man/man3c/thr_getconcurrency.3c
443 file path=usr/share/man/man3c/thr_getprio.3c
444 file path=usr/share/man/man3c/thr_join.3c
445 file path=usr/share/man/man3c/thr_keycreate.3c
446 file path=usr/share/man/man3c/thr_kill.3c
447 file path=usr/share/man/man3c/thr_main.3c
448 file path=usr/share/man/man3c/thr_min_stack.3c
449 file path=usr/share/man/man3c/thr_self.3c
450 file path=usr/share/man/man3c/thr_sigsetmask.3c
451 file path=usr/share/man/man3c/thr_stksegment.3c
452 file path=usr/share/man/man3c/thr_suspend.3c
453 file path=usr/share/man/man3c/thr_yield.3c
454 file path=usr/share/man/man3c/timer_create.3c
455 file path=usr/share/man/man3c/timer_delete.3c
456 file path=usr/share/man/man3c/timer_settime.3c
457 file path=usr/share/man/man3c/timeradd.3c

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458 file path=usr/share/man/man3c/tmpfile.3c
459 file path=usr/share/man/man3c/tmpnam.3c
460 file path=usr/share/man/man3c/toascii.3c
461 file path=usr/share/man/man3c/tolower.3c
462 file path=usr/share/man/man3c/toupper.3c
463 file path=usr/share/man/man3c/towlower.3c
464 file path=usr/share/man/man3c/toupper.3c
465 file path=usr/share/man/man3c/truncate.3c
466 file path=usr/share/man/man3c/tsearch.3c
467 file path=usr/share/man/man3c/ttyname.3c
468 file path=usr/share/man/man3c/ttyslot.3c
469 file path=usr/share/man/man3c/u8_strcmp.3c
470 file path=usr/share/man/man3c/u8_textprep_str.3c
471 file path=usr/share/man/man3c/u8_validate.3c
472 file path=usr/share/man/man3c/ualarm.3c
473 file path=usr/share/man/man3c/uconv_u16tou32.3c
474 file path=usr/share/man/man3c/ucred_get.3c
475 file path=usr/share/man/man3c/ungetc.3c
476 file path=usr/share/man/man3c/ungetwc.3c
477 file path=usr/share/man/man3c/unlockpt.3c
478 file path=usr/share/man/man3c/unsetenv.3c
479 file path=usr/share/man/man3c/uselocale.3c
480 file path=usr/share/man/man3c/usleep.3c
481 file path=usr/share/man/man3c/vfwprintf.3c
482 file path=usr/share/man/man3c/vlfmt.3c
483 file path=usr/share/man/man3c/vpfmt.3c
484 file path=usr/share/man/man3c/vprintf.3c
485 file path=usr/share/man/man3c/vsyslog.3c
486 file path=usr/share/man/man3c/wait.3c
487 file path=usr/share/man/man3c/wait3.3c
488 file path=usr/share/man/man3c/waitpid.3c
489 file path=usr/share/man/man3c/walkcontext.3c
490 file path=usr/share/man/man3c/wcrtomb.3c
491 file path=usr/share/man/man3c/wcsoll.3c
492 file path=usr/share/man/man3c/wcsftime.3c
493 file path=usr/share/man/man3c/wcsrtombs.3c
494 file path=usr/share/man/man3c/wcsstr.3c
495 file path=usr/share/man/man3c/wcstod.3c
496 file path=usr/share/man/man3c/wcstoimax.3c
497 file path=usr/share/man/man3c/wcstol.3c
498 file path=usr/share/man/man3c/wcstoul.3c
499 file path=usr/share/man/man3c/wcstring.3c
500 file path=usr/share/man/man3c/wcswidth.3c
501 file path=usr/share/man/man3c/wcsxfrm.3c
502 file path=usr/share/man/man3c/wctob.3c
503 file path=usr/share/man/man3c/wctomb.3c
504 file path=usr/share/man/man3c/wctrans.3c
505 file path=usr/share/man/man3c/wctype.3c
506 file path=usr/share/man/man3c/wcwidth.3c
507 file path=usr/share/man/man3c/wmemchr.3c
508 file path=usr/share/man/man3c/wmemcmp.3c
509 file path=usr/share/man/man3c/wmemcpy.3c
510 file path=usr/share/man/man3c/wmemmove.3c
511 file path=usr/share/man/man3c/wmemset.3c
512 file path=usr/share/man/man3c/wordexp.3c
513 file path=usr/share/man/man3c/wsprintf.3c
514 file path=usr/share/man/man3c/wsscanf.3c
515 file path=usr/share/man/man3c/wstring.3c
516 link path=usr/share/man/man3c/FD_CLR.3c target=select.3c
517 link path=usr/share/man/man3c/FD_ISSET.3c target=select.3c
518 link path=usr/share/man/man3c/FD_SET.3c target=select.3c
519 link path=usr/share/man/man3c/FD_ZERO.3c target=select.3c
520 link path=usr/share/man/man3c/_fbuf.3c target=_fbufsize.3c
521 link path=usr/share/man/man3c/_fpending.3c target=_fbufsize.3c
522 link path=usr/share/man/man3c/_fpurge.3c target=_fbufsize.3c
523 link path=usr/share/man/man3c/_freadable.3c target=_fbufsize.3c

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524 link path=usr/share/man/man3c/_freading.3c target=_fbufsize.3c
525 link path=usr/share/man/man3c/_fsetlocking.3c target=_fbufsize.3c
526 link path=usr/share/man/man3c/_fwritable.3c target=_fbufsize.3c
527 link path=usr/share/man/man3c/_fwriting.3c target=_fbufsize.3c
528 link path=usr/share/man/man3c/_edata.3c target=end.3c
529 link path=usr/share/man/man3c/_end.3c target=end.3c
530 link path=usr/share/man/man3c/_etext.3c target=end.3c
531 link path=usr/share/man/man3c/_exithandle.3c target=exit.3c
532 link path=usr/share/man/man3c/_flushlbf.3c target=_fbufsize.3c
533 link path=usr/share/man/man3c/_setjmp.3c target=_longjmp.3c
534 link path=usr/share/man/man3c/addrtosymstr.3c target=walkcontext.3c
535 link path=usr/share/man/man3c/aiowrite.3c target=aioread.3c
536 link path=usr/share/man/man3c/alloca.3c target=malloc.3c
537 link path=usr/share/man/man3c/alphasort.3c target=scandir.3c
538 link path=usr/share/man/man3c/asctime.3c target=strftime.3c
539 link path=usr/share/man/man3c/asctime.3c target=ctime.3c
540 link path=usr/share/man/man3c/asctime_r.3c target=ctime.3c
541 link path=usr/share/man/man3c/asprintf.3c target=printf.3c
542 link path=usr/share/man/man3c/atof.3c target=strtod.3c
543 link path=usr/share/man/man3c/atoi.3c target=strtol.3c
544 link path=usr/share/man/man3c/atol.3c target=strtol.3c
545 link path=usr/share/man/man3c/atoll.3c target=strtol.3c
546 link path=usr/share/man/man3c/atomic_add_16.3c target=atomic_add.3c
547 link path=usr/share/man/man3c/atomic_add_16_nv.3c target=atomic_add.3c
548 link path=usr/share/man/man3c/atomic_add_32.3c target=atomic_add.3c
549 link path=usr/share/man/man3c/atomic_add_32_nv.3c target=atomic_add.3c
550 link path=usr/share/man/man3c/atomic_add_64.3c target=atomic_add.3c
551 link path=usr/share/man/man3c/atomic_add_64_nv.3c target=atomic_add.3c
552 link path=usr/share/man/man3c/atomic_add_8.3c target=atomic_add.3c
553 link path=usr/share/man/man3c/atomic_add_8_nv.3c target=atomic_add.3c
554 link path=usr/share/man/man3c/atomic_add_char.3c target=atomic_add.3c
555 link path=usr/share/man/man3c/atomic_add_char_nv.3c target=atomic_add.3c
556 link path=usr/share/man/man3c/atomic_add_int.3c target=atomic_add.3c
557 link path=usr/share/man/man3c/atomic_add_int_nv.3c target=atomic_add.3c
558 link path=usr/share/man/man3c/atomic_add_long.3c target=atomic_add.3c
559 link path=usr/share/man/man3c/atomic_add_long_nv.3c target=atomic_add.3c
560 link path=usr/share/man/man3c/atomic_add_ptr.3c target=atomic_add.3c
561 link path=usr/share/man/man3c/atomic_add_ptr_nv.3c target=atomic_add.3c
562 link path=usr/share/man/man3c/atomic_add_short.3c target=atomic_add.3c
563 link path=usr/share/man/man3c/atomic_add_short_nv.3c target=atomic_add.3c
564 link path=usr/share/man/man3c/atomic_and_16.3c target=atomic_and.3c
565 link path=usr/share/man/man3c/atomic_and_16_nv.3c target=atomic_and.3c
566 link path=usr/share/man/man3c/atomic_and_32.3c target=atomic_and.3c
567 link path=usr/share/man/man3c/atomic_and_32_nv.3c target=atomic_and.3c
568 link path=usr/share/man/man3c/atomic_and_64.3c target=atomic_and.3c
569 link path=usr/share/man/man3c/atomic_and_64_nv.3c target=atomic_and.3c
570 link path=usr/share/man/man3c/atomic_and_8.3c target=atomic_and.3c
571 link path=usr/share/man/man3c/atomic_and_8_nv.3c target=atomic_and.3c
572 link path=usr/share/man/man3c/atomic_and_uchar.3c target=atomic_and.3c
573 link path=usr/share/man/man3c/atomic_and_uchar_nv.3c target=atomic_and.3c
574 link path=usr/share/man/man3c/atomic_and_uint.3c target=atomic_and.3c
575 link path=usr/share/man/man3c/atomic_and_uint_nv.3c target=atomic_and.3c
576 link path=usr/share/man/man3c/atomic_and_ulong.3c target=atomic_and.3c
577 link path=usr/share/man/man3c/atomic_and_ulong_nv.3c target=atomic_and.3c
578 link path=usr/share/man/man3c/atomic_and_ushort.3c target=atomic_and.3c
579 link path=usr/share/man/man3c/atomic_and_ushort_nv.3c target=atomic_and.3c
580 link path=usr/share/man/man3c/atomic_cas_16.3c target=atomic_cas.3c
581 link path=usr/share/man/man3c/atomic_cas_32.3c target=atomic_cas.3c
582 link path=usr/share/man/man3c/atomic_cas_64.3c target=atomic_cas.3c
583 link path=usr/share/man/man3c/atomic_cas_8.3c target=atomic_cas.3c
584 link path=usr/share/man/man3c/atomic_cas_ptr.3c target=atomic_cas.3c
585 link path=usr/share/man/man3c/atomic_cas_uchar.3c target=atomic_cas.3c
586 link path=usr/share/man/man3c/atomic_cas_uint.3c target=atomic_cas.3c
587 link path=usr/share/man/man3c/atomic_cas_ulong.3c target=atomic_cas.3c
588 link path=usr/share/man/man3c/atomic_cas_ushort.3c target=atomic_cas.3c
589 link path=usr/share/man/man3c/atomic_clear_long_excl.3c target=atomic_bits.3c

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590 link path=usr/share/man/man3c/atomic_dec_16.3c target=atomic_dec.3c
591 link path=usr/share/man/man3c/atomic_dec_16_nv.3c target=atomic_dec.3c
592 link path=usr/share/man/man3c/atomic_dec_32.3c target=atomic_dec.3c
593 link path=usr/share/man/man3c/atomic_dec_32_nv.3c target=atomic_dec.3c
594 link path=usr/share/man/man3c/atomic_dec_64.3c target=atomic_dec.3c
595 link path=usr/share/man/man3c/atomic_dec_64_nv.3c target=atomic_dec.3c
596 link path=usr/share/man/man3c/atomic_dec_8.3c target=atomic_dec.3c
597 link path=usr/share/man/man3c/atomic_dec_8_nv.3c target=atomic_dec.3c
598 link path=usr/share/man/man3c/atomic_dec_ptr.3c target=atomic_dec.3c
599 link path=usr/share/man/man3c/atomic_dec_ptr_nv.3c target=atomic_dec.3c
600 link path=usr/share/man/man3c/atomic_dec_uchar.3c target=atomic_dec.3c
601 link path=usr/share/man/man3c/atomic_dec_uchar_nv.3c target=atomic_dec.3c
602 link path=usr/share/man/man3c/atomic_dec_uint.3c target=atomic_dec.3c
603 link path=usr/share/man/man3c/atomic_dec_uint_nv.3c target=atomic_dec.3c
604 link path=usr/share/man/man3c/atomic_dec_ulong.3c target=atomic_dec.3c
605 link path=usr/share/man/man3c/atomic_dec_ulong_nv.3c target=atomic_dec.3c
606 link path=usr/share/man/man3c/atomic_dec_ushort.3c target=atomic_dec.3c
607 link path=usr/share/man/man3c/atomic_dec_ushort_nv.3c target=atomic_dec.3c
608 link path=usr/share/man/man3c/atomic_inc_16.3c target=atomic_inc.3c
609 link path=usr/share/man/man3c/atomic_inc_16_nv.3c target=atomic_inc.3c
610 link path=usr/share/man/man3c/atomic_inc_32.3c target=atomic_inc.3c
611 link path=usr/share/man/man3c/atomic_inc_32_nv.3c target=atomic_inc.3c
612 link path=usr/share/man/man3c/atomic_inc_64.3c target=atomic_inc.3c
613 link path=usr/share/man/man3c/atomic_inc_64_nv.3c target=atomic_inc.3c
614 link path=usr/share/man/man3c/atomic_inc_8.3c target=atomic_inc.3c
615 link path=usr/share/man/man3c/atomic_inc_8_nv.3c target=atomic_inc.3c
616 link path=usr/share/man/man3c/atomic_inc_ptr.3c target=atomic_inc.3c
617 link path=usr/share/man/man3c/atomic_inc_ptr_nv.3c target=atomic_inc.3c
618 link path=usr/share/man/man3c/atomic_inc_uchar.3c target=atomic_inc.3c
619 link path=usr/share/man/man3c/atomic_inc_uchar_nv.3c target=atomic_inc.3c
620 link path=usr/share/man/man3c/atomic_inc_uint.3c target=atomic_inc.3c
621 link path=usr/share/man/man3c/atomic_inc_uint_nv.3c target=atomic_inc.3c
622 link path=usr/share/man/man3c/atomic_inc_ulong.3c target=atomic_inc.3c
623 link path=usr/share/man/man3c/atomic_inc_ulong_nv.3c target=atomic_inc.3c
624 link path=usr/share/man/man3c/atomic_inc_ushort.3c target=atomic_inc.3c
625 link path=usr/share/man/man3c/atomic_inc_ushort_nv.3c target=atomic_inc.3c
626 link path=usr/share/man/man3c/atomic_or_16.3c target=atomic_or.3c
627 link path=usr/share/man/man3c/atomic_or_16_nv.3c target=atomic_or.3c
628 link path=usr/share/man/man3c/atomic_or_32.3c target=atomic_or.3c
629 link path=usr/share/man/man3c/atomic_or_32_nv.3c target=atomic_or.3c
630 link path=usr/share/man/man3c/atomic_or_64.3c target=atomic_or.3c
631 link path=usr/share/man/man3c/atomic_or_64_nv.3c target=atomic_or.3c
632 link path=usr/share/man/man3c/atomic_or_8.3c target=atomic_or.3c
633 link path=usr/share/man/man3c/atomic_or_8_nv.3c target=atomic_or.3c
634 link path=usr/share/man/man3c/atomic_or_uchar.3c target=atomic_or.3c
635 link path=usr/share/man/man3c/atomic_or_uchar_nv.3c target=atomic_or.3c
636 link path=usr/share/man/man3c/atomic_or_uint.3c target=atomic_or.3c
637 link path=usr/share/man/man3c/atomic_or_uint_nv.3c target=atomic_or.3c
638 link path=usr/share/man/man3c/atomic_or_ulong.3c target=atomic_or.3c
639 link path=usr/share/man/man3c/atomic_or_ulong_nv.3c target=atomic_or.3c
640 link path=usr/share/man/man3c/atomic_or_ushort.3c target=atomic_or.3c
641 link path=usr/share/man/man3c/atomic_or_ushort_nv.3c target=atomic_or.3c
642 link path=usr/share/man/man3c/atomic_set_long_excl.3c target=atomic_bits.3c
643 link path=usr/share/man/man3c/atomic_swap_16.3c target=atomic_swap.3c
644 link path=usr/share/man/man3c/atomic_swap_32.3c target=atomic_swap.3c
645 link path=usr/share/man/man3c/atomic_swap_64.3c target=atomic_swap.3c
646 link path=usr/share/man/man3c/atomic_swap_8.3c target=atomic_swap.3c
647 link path=usr/share/man/man3c/atomic_swap_ptr.3c target=atomic_swap.3c
648 link path=usr/share/man/man3c/atomic_swap_uchar.3c target=atomic_swap.3c
649 link path=usr/share/man/man3c/atomic_swap_uint.3c target=atomic_swap.3c
650 link path=usr/share/man/man3c/atomic_swap_ulong.3c target=atomic_swap.3c
651 link path=usr/share/man/man3c/atomic_swap_ushort.3c target=atomic_swap.3c
652 link path=usr/share/man/man3c/backtrace.3c target=walkcontext.3c
653 link path=usr/share/man/man3c/backtrace_symbols.3c target=walkcontext.3c
654 link path=usr/share/man/man3c/backtrace_symbols_fd.3c target=walkcontext.3c
655 link path=usr/share/man/man3c/bcmp.3c target=bstring.3c

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656 link path=usr/share/man/man3c/bcopy.3c target=bstring.3c
657 link path=usr/share/man/man3c/bind_textdomain_codeset.3c target=gettext.3c
658 link path=usr/share/man/man3c/bindtextdomain.3c target=gettext.3c
659 link path=usr/share/man/man3c/bzero.3c target=bstring.3c
660 link path=usr/share/man/man3c/calloc.3c target=malloc.3c
661 link path=usr/share/man/man3c/catclose.3c target=catopen.3c
662 link path=usr/share/man/man3c/cfgetospeed.3c target=cfgetispeed.3c
663 link path=usr/share/man/man3c/cfsetospeed.3c target=cfsetispeed.3c
664 link path=usr/share/man/man3c/cftime.3c target=strftime.3c
665 link path=usr/share/man/man3c/clearerr.3c target=ferror.3c
666 link path=usr/share/man/man3c/clock_getres.3c target=clock_settime.3c
667 link path=usr/share/man/man3c/clock_gettime.3c target=clock_settime.3c
668 link path=usr/share/man/man3c/closelog.3c target=syslog.3c
669 link path=usr/share/man/man3c/cond_broadcast.3c target=cond_init.3c
670 link path=usr/share/man/man3c/cond_destroy.3c target=cond_init.3c
671 link path=usr/share/man/man3c/cond_reltimedwait.3c target=cond_init.3c
672 link path=usr/share/man/man3c/cond_signal.3c target=cond_init.3c
673 link path=usr/share/man/man3c/cond_timedwait.3c target=cond_init.3c
674 link path=usr/share/man/man3c/cond_wait.3c target=cond_init.3c
675 link path=usr/share/man/man3c/csetcol.3c target=cset.3c
676 link path=usr/share/man/man3c/csetlen.3c target=cset.3c
677 link path=usr/share/man/man3c/csetno.3c target=cset.3c
678 link path=usr/share/man/man3c/ctermid_r.3c target=ctermid.3c
679 link path=usr/share/man/man3c/ctime_r.3c target=ctime.3c
680 link path=usr/share/man/man3c/dbm_clearerr.3c target=ndbm.3c
681 link path=usr/share/man/man3c/dbm_close.3c target=ndbm.3c
682 link path=usr/share/man/man3c/dbm_delete.3c target=ndbm.3c
683 link path=usr/share/man/man3c/dbm_error.3c target=ndbm.3c
684 link path=usr/share/man/man3c/dbm_fetch.3c target=ndbm.3c
685 link path=usr/share/man/man3c/dbm_firstkey.3c target=ndbm.3c
686 link path=usr/share/man/man3c/dbm_nextkey.3c target=ndbm.3c
687 link path=usr/share/man/man3c/dbm_open.3c target=ndbm.3c
688 link path=usr/share/man/man3c/dbm_store.3c target=ndbm.3c
689 link path=usr/share/man/man3c/dcgettext.3c target=gettext.3c
690 link path=usr/share/man/man3c/dcngettext.3c target=gettext.3c
691 link path=usr/share/man/man3c/decimal_to_double.3c \
692 target=decimal_to_floating.3c
693 link path=usr/share/man/man3c/decimal_to_extended.3c \
694 target=decimal_to_floating.3c
695 link path=usr/share/man/man3c/decimal_to_quadruple.3c \
696 target=decimal_to_floating.3c
697 link path=usr/share/man/man3c/decimal_to_single.3c \
698 target=decimal_to_floating.3c
699 link path=usr/share/man/man3c/dgettext.3c target=gettext.3c
700 link path=usr/share/man/man3c/dladdr1.3c target=dladdr.3c
701 link path=usr/share/man/man3c/dlopen.3c target=dlopen.3c
702 link path=usr/share/man/man3c/dngettext.3c target=gettext.3c
703 link path=usr/share/man/man3c/door_setparam.3c target=door_getparam.3c
704 link path=usr/share/man/man3c/door_unbind.3c target=door_bind.3c
705 link path=usr/share/man/man3c/double_to_decimal.3c \
706 target=floating_to_decimal.3c
707 link path=usr/share/man/man3c/dup3.3c target=dup2.3c
708 link path=usr/share/man/man3c/duplocale.3c target=newlocale.3c
709 link path=usr/share/man/man3c/edata.3c target=end.3c
710 link path=usr/share/man/man3c/endgrent.3c target=getgrnam.3c
711 link path=usr/share/man/man3c/endnetgrent.3c target=getnetgrent.3c
712 link path=usr/share/man/man3c/endpoint.3c target=getpwnam.3c
713 link path=usr/share/man/man3c/endspent.3c target=getspnam.3c
714 link path=usr/share/man/man3c/endusershell.3c target=getusershell.3c
715 link path=usr/share/man/man3c/endutent.3c target=getutent.3c
716 link path=usr/share/man/man3c/endutxent.3c target=getutxent.3c
717 link path=usr/share/man/man3c/erand48.3c target=drand48.3c
718 link path=usr/share/man/man3c/errno.3c target= perror.3c
719 link path=usr/share/man/man3c/errx.3c target=err.3c
720 link path=usr/share/man/man3c/etext.3c target=end.3c
721 link path=usr/share/man/man3c/eucool.3c target=euclen.3c

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722 link path=usr/share/man/man3c/eucscoll.3c target=euclen.3c
723 link path=usr/share/man/man3c/extended_to_decimal.3c \
724 target=floating_to_decimal.3c
725 link path=usr/share/man/man3c/fconvert.3c target=econvert.3c
726 link path=usr/share/man/man3c/fcvt.3c target=ecvt.3c
727 link path=usr/share/man/man3c/fdopendir.3c target=opendir.3c
728 link path=usr/share/man/man3c/fdwalk.3c target=closetr.3c
729 link path=usr/share/man/man3c/feof.3c target=ferror.3c
730 link path=usr/share/man/man3c/fgetgrent.3c target=getgrnam.3c
731 link path=usr/share/man/man3c/fgetgrent_r.3c target=getgrnam.3c
732 link path=usr/share/man/man3c/fgetpwent.3c target=getpwnam.3c
733 link path=usr/share/man/man3c/fgetpwent_r.3c target=getpwnam.3c
734 link path=usr/share/man/man3c/fgets.3c target=gets.3c
735 link path=usr/share/man/man3c/fgetspent.3c target=getspnam.3c
736 link path=usr/share/man/man3c/fgetspent_r.3c target=getspnam.3c
737 link path=usr/share/man/man3c/fgetwc.1.3c target=fgetwc.3c
738 link path=usr/share/man/man3c/fgetws.3c target=getws.3c
739 link path=usr/share/man/man3c/file_to_decimal.3c target=string_to_decimal.3c
740 link path=usr/share/man/man3c/fileno.3c target=ferror.3c
741 link path=usr/share/man/man3c/finite.3c target=isnan.3c
742 link path=usr/share/man/man3c/fpclass.3c target=isnan.3c
743 link path=usr/share/man/man3c/fpgetmask.3c target=fpgetround.3c
744 link path=usr/share/man/man3c/fpgetsticky.3c target=fpgetround.3c
745 link path=usr/share/man/man3c/fprintf.3c target=printf.3c
746 link path=usr/share/man/man3c/fpsetmask.3c target=fpgetround.3c
747 link path=usr/share/man/man3c/fpsetround.3c target=fpgetround.3c
748 link path=usr/share/man/man3c/fpsetsticky.3c target=fpgetround.3c
749 link path=usr/share/man/man3c/fputs.3c target=puts.3c
750 link path=usr/share/man/man3c/free.3c target=malloc.3c
751 link path=usr/share/man/man3c/freelocale.3c target=newlocale.3c
752 link path=usr/share/man/man3c/fsconf.3c target=scanf.3c
753 link path=usr/share/man/man3c/fseeko.3c target=fseek.3c
754 link path=usr/share/man/man3c/fsetat.3c target=fgetat.3c
755 link path=usr/share/man/man3c/ftello.3c target=ftell.3c
756 link path=usr/share/man/man3c/ftruncate.3c target=truncate.3c
757 link path=usr/share/man/man3c/ftrylockfile.3c target=flockfile.3c
758 link path=usr/share/man/man3c/func_to_decimal.3c target=string_to_decimal.3c
759 link path=usr/share/man/man3c/funlockfile.3c target=flockfile.3c
760 link path=usr/share/man/man3c/gconvert.3c target=econvert.3c
761 link path=usr/share/man/man3c/gcvt.3c target=ecvt.3c
762 link path=usr/share/man/man3c/getat.3c target=fgetat.3c
763 link path=usr/share/man/man3c/getc.3c target=fgetc.3c
764 link path=usr/share/man/man3c/getc_unlocked.3c target=fgetc.3c
765 link path=usr/share/man/man3c/getchar.3c target=fgetc.3c
766 link path=usr/share/man/man3c/getchar_unlocked.3c target=fgetc.3c
767 link path=usr/share/man/man3c/getdelim.3c target=getline.3c
768 link path=usr/share/man/man3c/getextmntent.3c target=getmntent.3c
769 link path=usr/share/man/man3c/getgrent.3c target=getgrnam.3c
770 link path=usr/share/man/man3c/getgrent_r.3c target=getgrnam.3c
771 link path=usr/share/man/man3c/getgrgid.3c target=getgrnam.3c
772 link path=usr/share/man/man3c/getgrgid_r.3c target=getgrnam.3c
773 link path=usr/share/man/man3c/getgrnam_r.3c target=getgrnam.3c
774 link path=usr/share/man/man3c/gethomedir.3c target=getcpuid.3c
775 link path=usr/share/man/man3c/gethrtime.3c target=gethrtime.3c
776 link path=usr/share/man/man3c/getlogin_r.3c target=getlogin.3c
777 link path=usr/share/man/man3c/getmntany.3c target=getmntent.3c
778 link path=usr/share/man/man3c/getnetgrent_r.3c target=getnetgrent.3c
779 link path=usr/share/man/man3c/getpassphrase.3c target=getpass.3c
780 link path=usr/share/man/man3c/getpwent.3c target=getpwnam.3c
781 link path=usr/share/man/man3c/getpwent_r.3c target=getpwnam.3c
782 link path=usr/share/man/man3c/getpwnam_r.3c target=getpwnam.3c
783 link path=usr/share/man/man3c/getpwuid.3c target=getpwnam.3c
784 link path=usr/share/man/man3c/getpwuid_r.3c target=getpwnam.3c
785 link path=usr/share/man/man3c/getspent.3c target=getspnam.3c
786 link path=usr/share/man/man3c/getspent_r.3c target=getspnam.3c
787 link path=usr/share/man/man3c/getspnam_r.3c target=getspnam.3c

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788 link path=usr/share/man/man3c/getutid.3c target=getutent.3c
789 link path=usr/share/man/man3c/getutline.3c target=getutent.3c
790 link path=usr/share/man/man3c/getutmp.3c target=getutent.3c
791 link path=usr/share/man/man3c/getutmpx.3c target=getutent.3c
792 link path=usr/share/man/man3c/getutxid.3c target=getutxent.3c
793 link path=usr/share/man/man3c/getutxline.3c target=getutxent.3c
794 link path=usr/share/man/man3c/getvfsany.3c target=getvfsent.3c
795 link path=usr/share/man/man3c/getvfsfile.3c target=getvfsent.3c
796 link path=usr/share/man/man3c/getvfsspec.3c target=getvfsent.3c
797 link path=usr/share/man/man3c/getw.3c target=fgetc.3c
798 link path=usr/share/man/man3c/getwc_1.3c target=getwc.3c
799 link path=usr/share/man/man3c/getzoneidbyname.3c target=getzoneid.3c
800 link path=usr/share/man/man3c/getzonenamebyid.3c target=getzoneid.3c
801 link path=usr/share/man/man3c/globfree.3c target=glob.3c
802 link path=usr/share/man/man3c/gmtime.3c target=ctime.3c
803 link path=usr/share/man/man3c/gmtime_r.3c target=ctime.3c
804 link path=usr/share/man/man3c/gsignal.3c target=ssignal.3c
805 link path=usr/share/man/man3c/hasmntopt.3c target=getmntent.3c
806 link path=usr/share/man/man3c/hcreate.3c target=hsearch.3c
807 link path=usr/share/man/man3c/hdestroy.3c target=hsearch.3c
808 link path=usr/share/man/man3c/initstate.3c target=random.3c
809 link path=usr/share/man/man3c/innetgr.3c target=getnetgrent.3c
810 link path=usr/share/man/man3c/isalnum.3c target=ctype.3c
811 link path=usr/share/man/man3c/isalnum_1.3c target=ctype.3c
812 link path=usr/share/man/man3c/isalpha.3c target=ctype.3c
813 link path=usr/share/man/man3c/isalpha_1.3c target=ctype.3c
814 link path=usr/share/man/man3c/isascii.3c target=ctype.3c
815 link path=usr/share/man/man3c/isblank.3c target=ctype.3c
816 link path=usr/share/man/man3c/isblank_1.3c target=ctype.3c
817 link path=usr/share/man/man3c/iscntrl.3c target=ctype.3c
818 link path=usr/share/man/man3c/iscntrl_1.3c target=ctype.3c
819 link path=usr/share/man/man3c/isdigit.3c target=ctype.3c
820 link path=usr/share/man/man3c/isdigit_1.3c target=ctype.3c
821 link path=usr/share/man/man3c/isenglish.3c target=iswalpha.3c
822 link path=usr/share/man/man3c/isgraph.3c target=ctype.3c
823 link path=usr/share/man/man3c/isgraph_1.3c target=ctype.3c
824 link path=usr/share/man/man3c/isideogram.3c target=iswalpha.3c
825 link path=usr/share/man/man3c/islower.3c target=ctype.3c
826 link path=usr/share/man/man3c/islower_1.3c target=ctype.3c
827 link path=usr/share/man/man3c/isnanf.3c target=isnan.3c
828 link path=usr/share/man/man3c/isnumber.3c target=iswalpha.3c
829 link path=usr/share/man/man3c/isphonogram.3c target=iswalpha.3c
830 link path=usr/share/man/man3c/isprint.3c target=ctype.3c
831 link path=usr/share/man/man3c/isprint_1.3c target=ctype.3c
832 link path=usr/share/man/man3c/ispunct.3c target=ctype.3c
833 link path=usr/share/man/man3c/ispunct_1.3c target=ctype.3c
834 link path=usr/share/man/man3c/isspace.3c target=ctype.3c
835 link path=usr/share/man/man3c/isspace_1.3c target=ctype.3c
836 link path=usr/share/man/man3c/isspecial.3c target=iswalpha.3c
837 link path=usr/share/man/man3c/isupper.3c target=ctype.3c
838 link path=usr/share/man/man3c/isupper_1.3c target=ctype.3c
839 link path=usr/share/man/man3c/iswalnum.3c target=iswalpha.3c
840 link path=usr/share/man/man3c/iswalnum_1.3c target=iswalpha.3c
841 link path=usr/share/man/man3c/iswalpha_1.3c target=iswalpha.3c
842 link path=usr/share/man/man3c/iswascii.3c target=iswalpha.3c
843 link path=usr/share/man/man3c/iswblank.3c target=iswalpha.3c
844 link path=usr/share/man/man3c/iswblank_1.3c target=iswalpha.3c
845 link path=usr/share/man/man3c/iswcntrl.3c target=iswalpha.3c
846 link path=usr/share/man/man3c/iswcntrl_1.3c target=iswalpha.3c
847 link path=usr/share/man/man3c/iswctype_1.3c target=iswctype.3c
848 link path=usr/share/man/man3c/iswdigit.3c target=iswalpha.3c
849 link path=usr/share/man/man3c/iswdigit_1.3c target=iswalpha.3c
850 link path=usr/share/man/man3c/iswgraph.3c target=iswalpha.3c
851 link path=usr/share/man/man3c/iswgraph_1.3c target=iswalpha.3c
852 link path=usr/share/man/man3c/iswhexnumber.3c target=iswalpha.3c
853 link path=usr/share/man/man3c/iswhexnumber_1.3c target=iswalpha.3c

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854 link path=usr/share/man/man3c/iswideogram.3c target=iswalpha.3c
855 link path=usr/share/man/man3c/iswideogram_1.3c target=iswalpha.3c
856 link path=usr/share/man/man3c/iswlower.3c target=iswalpha.3c
857 link path=usr/share/man/man3c/iswlower_1.3c target=iswalpha.3c
858 link path=usr/share/man/man3c/iswnumber.3c target=iswalpha.3c
859 link path=usr/share/man/man3c/iswnumber_1.3c target=iswalpha.3c
860 link path=usr/share/man/man3c/iswphonogram.3c target=iswalpha.3c
861 link path=usr/share/man/man3c/iswphonogram_1.3c target=iswalpha.3c
862 link path=usr/share/man/man3c/iswprint.3c target=iswalpha.3c
863 link path=usr/share/man/man3c/iswprint_1.3c target=iswalpha.3c
864 link path=usr/share/man/man3c/iswpunct.3c target=iswalpha.3c
865 link path=usr/share/man/man3c/iswpunct_1.3c target=iswalpha.3c
866 link path=usr/share/man/man3c/iswspace.3c target=iswalpha.3c
867 link path=usr/share/man/man3c/iswspace_1.3c target=iswalpha.3c
868 link path=usr/share/man/man3c/iswspecial.3c target=iswalpha.3c
869 link path=usr/share/man/man3c/iswspecial_1.3c target=iswalpha.3c
870 link path=usr/share/man/man3c/iswupper.3c target=iswalpha.3c
871 link path=usr/share/man/man3c/iswupper_1.3c target=iswalpha.3c
872 link path=usr/share/man/man3c/iswxdigit.3c target=iswalpha.3c
873 link path=usr/share/man/man3c/iswxdigit_1.3c target=iswalpha.3c
874 link path=usr/share/man/man3c/isxdigit.3c target=ctype.3c
875 link path=usr/share/man/man3c/isxdigit_1.3c target=ctype.3c
876 link path=usr/share/man/man3c/jrand48.3c target=drand48.3c
877 link path=usr/share/man/man3c/l64a.3c target=a64l.3c
878 link path=usr/share/man/man3c/labs.3c target=abs.3c
879 link path=usr/share/man/man3c/lcong48.3c target=drand48.3c
880 link path=usr/share/man/man3c/ldiv.3c target=div.3c
881 link path=usr/share/man/man3c/lfind.3c target=search.3c
882 link path=usr/share/man/man3c/llabs.3c target=abs.3c
883 link path=usr/share/man/man3c/lldiv.3c target=div.3c
884 link path=usr/share/man/man3c/lldiv.3c target=div.3c
885 link path=usr/share/man/man3c/lldiv.3c target=div.3c
886 link path=usr/share/man/man3c/lldiv.3c target=div.3c
887 link path=usr/share/man/man3c/lldiv.3c target=div.3c
888 link path=usr/share/man/man3c/lldiv.3c target=div.3c
889 link path=usr/share/man/man3c/lldiv.3c target=div.3c
890 link path=usr/share/man/man3c/lldiv.3c target=div.3c
891 link path=usr/share/man/man3c/lldiv.3c target=div.3c
892 link path=usr/share/man/man3c/lldiv.3c target=div.3c
893 link path=usr/share/man/man3c/lldiv.3c target=div.3c
894 link path=usr/share/man/man3c/lldiv.3c target=div.3c
895 link path=usr/share/man/man3c/lldiv.3c target=div.3c
896 link path=usr/share/man/man3c/lldiv.3c target=div.3c
897 link path=usr/share/man/man3c/lldiv.3c target=div.3c
898 link path=usr/share/man/man3c/lldiv.3c target=div.3c
899 link path=usr/share/man/man3c/lldiv.3c target=div.3c
900 link path=usr/share/man/man3c/memalign.3c target=malloc.3c
901 link path=usr/share/man/man3c/membar_consumer.3c target=membar_ops.3c
902 link path=usr/share/man/man3c/membar_enter.3c target=membar_ops.3c
903 link path=usr/share/man/man3c/membar_exit.3c target=membar_ops.3c
904 link path=usr/share/man/man3c/membar_producer.3c target=membar_ops.3c
905 link path=usr/share/man/man3c/memccpy.3c target=memory.3c
906 link path=usr/share/man/man3c/memchr.3c target=memory.3c
907 link path=usr/share/man/man3c/memcmp.3c target=memory.3c
908 link path=usr/share/man/man3c/memcpy.3c target=memory.3c
909 link path=usr/share/man/man3c/memmove.3c target=memory.3c
910 link path=usr/share/man/man3c/memset.3c target=memory.3c
911 link path=usr/share/man/man3c/minor.3c target=makedev.3c
912 link path=usr/share/man/man3c/mkdtmp.3c target=mkstemp.3c
913 link path=usr/share/man/man3c/mkostemp.3c target=mkstemp.3c
914 link path=usr/share/man/man3c/mkstemp.3c target=mkstemp.3c
915 link path=usr/share/man/man3c/mkstemp.3c target=mkstemp.3c
916 link path=usr/share/man/man3c/mq_reltimedreceive_np.3c target=mq_receive.3c
917 link path=usr/share/man/man3c/mq_reltimedsend_np.3c target=mq_send.3c
918 link path=usr/share/man/man3c/mq_timedreceive.3c target=mq_receive.3c
919 link path=usr/share/man/man3c/mq_timedsend.3c target=mq_send.3c

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920 link path=usr/share/man/man3c/mrand48.3c target=drand48.3c
921 link path=usr/share/man/man3c/munlock.3c target=mlock.3c
922 link path=usr/share/man/man3c/munlockall.3c target=mlockall.3c
923 link path=usr/share/man/man3c/mutex_consistent.3c target=mutex_init.3c
924 link path=usr/share/man/man3c/mutex_destroy.3c target=mutex_init.3c
925 link path=usr/share/man/man3c/mutex_lock.3c target=mutex_init.3c
926 link path=usr/share/man/man3c/mutex_trylock.3c target=mutex_init.3c
927 link path=usr/share/man/man3c/mutex_unlock.3c target=mutex_init.3c
928 link path=usr/share/man/man3c/nftw.3c target=ftw.3c
929 link path=usr/share/man/man3c/ngettext.3c target=gettext.3c
930 link path=usr/share/man/man3c/nl_langinfo.1.3c target=nl_langinfo.3c
931 link path=usr/share/man/man3c/nrand48.3c target=drand48.3c
932 link path=usr/share/man/man3c/openlog.3c target=syslog.3c
933 link path=usr/share/man/man3c/pclose.3c target=popen.3c
934 link path=usr/share/man/man3c/port_dissociate.3c target=port_associate.3c
935 link path=usr/share/man/man3c/port_getn.3c target=port_get.3c
936 link path=usr/share/man/man3c/port_sendn.3c target=port_send.3c
937 link path=usr/share/man/man3c/posix_spawn_file_actions_addopen.3c \
938   target=posix_spawn_file_actions_addclose.3c
939 link path=usr/share/man/man3c/posix_spawn_file_actions_init.3c \
940   target=posix_spawn_file_actions_destroy.3c
941 link path=usr/share/man/man3c/posix_spawnattr_init.3c \
942   target=posix_spawnattr_destroy.3c
943 link path=usr/share/man/man3c/posix_spawnattr_setflags.3c \
944   target=posix_spawnattr_getflags.3c
945 link path=usr/share/man/man3c/posix_spawnattr_setpgroup.3c \
946   target=posix_spawnattr_getpgroup.3c
947 link path=usr/share/man/man3c/posix_spawnattr_setschedparam.3c \
948   target=posix_spawnattr_getschedparam.3c
949 link path=usr/share/man/man3c/posix_spawnattr_setschedpolicy.3c \
950   target=posix_spawnattr_getschedpolicy.3c
951 link path=usr/share/man/man3c/posix_spawnattr_setsigdefault.3c \
952   target=posix_spawnattr_getsigdefault.3c
953 link path=usr/share/man/man3c/posix_spawnattr_setsigignore_np.3c \
954   target=posix_spawnattr_getsigignore_np.3c
955 link path=usr/share/man/man3c/posix_spawnattr_setsigmask.3c \
956   target=posix_spawnattr_getsigmask.3c
957 link path=usr/share/man/man3c/posix_spawnnp.3c target=posix_spawn.3c
958 link path=usr/share/man/man3c/printstack.3c target=walkcontext.3c
959 link path=usr/share/man/man3c/priv_allocset.3c target=priv_addset.3c
960 link path=usr/share/man/man3c/priv_basicset.3c target=priv_addset.3c
961 link path=usr/share/man/man3c/priv_copysset.3c target=priv_addset.3c
962 link path=usr/share/man/man3c/priv_delset.3c target=priv_addset.3c
963 link path=usr/share/man/man3c/priv_emptyset.3c target=priv_addset.3c
964 link path=usr/share/man/man3c/priv_fillset.3c target=priv_addset.3c
965 link path=usr/share/man/man3c/priv_freerset.3c target=priv_addset.3c
966 link path=usr/share/man/man3c/priv_getbyname.3c target=priv_str_to_set.3c
967 link path=usr/share/man/man3c/priv_getbynum.3c target=priv_str_to_set.3c
968 link path=usr/share/man/man3c/priv_getsetbyname.3c target=priv_str_to_set.3c
969 link path=usr/share/man/man3c/priv_getsetbynum.3c target=priv_str_to_set.3c
970 link path=usr/share/man/man3c/priv_gettext.3c target=priv_str_to_set.3c
971 link path=usr/share/man/man3c/priv_ineffect.3c target=priv_set.3c
972 link path=usr/share/man/man3c/priv_intersect.3c target=priv_addset.3c
973 link path=usr/share/man/man3c/priv_inverse.3c target=priv_addset.3c
974 link path=usr/share/man/man3c/priv_isemptyset.3c target=priv_addset.3c
975 link path=usr/share/man/man3c/priv_isequalset.3c target=priv_addset.3c
976 link path=usr/share/man/man3c/priv_isfullset.3c target=priv_addset.3c
977 link path=usr/share/man/man3c/priv_ismember.3c target=priv_addset.3c
978 link path=usr/share/man/man3c/priv_issubset.3c target=priv_addset.3c
979 link path=usr/share/man/man3c/priv_set_to_str.3c target=priv_str_to_set.3c
980 link path=usr/share/man/man3c/priv_union.3c target=priv_addset.3c
981 link path=usr/share/man/man3c/pselect.3c target=select.3c
982 link path=usr/share/man/man3c/psiginfo.3c target=psignal.3c
983 link path=usr/share/man/man3c/pthread_attr_destroy.3c \
984   target=pthread_attr_init.3c
985 link path=usr/share/man/man3c/pthread_attr_setdetachstate.3c \

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986   target=pthread_attr_getdetachstate.3c
987 link path=usr/share/man/man3c/pthread_attr_setguardsize.3c \
988   target=pthread_attr_getguardsize.3c
989 link path=usr/share/man/man3c/pthread_attr_setinheritsched.3c \
990   target=pthread_attr_getinheritsched.3c
991 link path=usr/share/man/man3c/pthread_attr_setschedparam.3c \
992   target=pthread_attr_getschedparam.3c
993 link path=usr/share/man/man3c/pthread_attr_setschedpolicy.3c \
994   target=pthread_attr_getschedpolicy.3c
995 link path=usr/share/man/man3c/pthread_attr_setscope.3c \
996   target=pthread_attr_getscope.3c
997 link path=usr/share/man/man3c/pthread_attr_setstack.3c \
998   target=pthread_attr_getstack.3c
999 link path=usr/share/man/man3c/pthread_attr_setstackaddr.3c \
1000   target=pthread_attr_getstackaddr.3c
1001 link path=usr/share/man/man3c/pthread_attr_setstacksize.3c \
1002   target=pthread_attr_getstacksize.3c
1003 link path=usr/share/man/man3c/pthread_barrier_init.3c \
1004   target=pthread_barrier_destroy.3c
1005 link path=usr/share/man/man3c/pthread_barrierattr_init.3c \
1006   target=pthread_barrierattr_destroy.3c
1007 link path=usr/share/man/man3c/pthread_barrierattr_setpshared.3c \
1008   target=pthread_barrierattr_getpshared.3c
1009 link path=usr/share/man/man3c/pthread_cond_broadcast.3c \
1010   target=pthread_cond_signal.3c
1011 link path=usr/share/man/man3c/pthread_cond_destroy.3c \
1012   target=pthread_cond_init.3c
1013 link path=usr/share/man/man3c/pthread_cond_reltimedwait_np.3c \
1014   target=pthread_cond_wait.3c
1015 link path=usr/share/man/man3c/pthread_cond_timedwait.3c \
1016   target=pthread_cond_wait.3c
1017 link path=usr/share/man/man3c/pthread_condattr_destroy.3c \
1018   target=pthread_condattr_init.3c
1019 link path=usr/share/man/man3c/pthread_condattr_setclock.3c \
1020   target=pthread_condattr_getclock.3c
1021 link path=usr/share/man/man3c/pthread_condattr_setpshared.3c \
1022   target=pthread_condattr_getpshared.3c
1023 link path=usr/share/man/man3c/pthread_key_create_once_np.3c \
1024   target=pthread_key_create.3c
1025 link path=usr/share/man/man3c/pthread_mutex_destroy.3c \
1026   target=pthread_mutex_init.3c
1027 link path=usr/share/man/man3c/pthread_mutex_reltimedlock_np.3c \
1028   target=pthread_mutex_timedlock.3c
1029 link path=usr/share/man/man3c/pthread_mutex_setprioceiling.3c \
1030   target=pthread_mutex_getprioceiling.3c
1031 link path=usr/share/man/man3c/pthread_mutex_trylock.3c \
1032   target=pthread_mutex_lock.3c
1033 link path=usr/share/man/man3c/pthread_mutex_unlock.3c \
1034   target=pthread_mutex_lock.3c
1035 link path=usr/share/man/man3c/pthread_mutexattr_destroy.3c \
1036   target=pthread_mutexattr_init.3c
1037 link path=usr/share/man/man3c/pthread_mutexattr_setprioceiling.3c \
1038   target=pthread_mutexattr_getprioceiling.3c
1039 link path=usr/share/man/man3c/pthread_mutexattr_setprotocol.3c \
1040   target=pthread_mutexattr_getprotocol.3c
1041 link path=usr/share/man/man3c/pthread_mutexattr_setpshared.3c \
1042   target=pthread_mutexattr_getpshared.3c
1043 link path=usr/share/man/man3c/pthread_mutexattr_settype.3c \
1044   target=pthread_mutexattr_gettype.3c
1045 link path=usr/share/man/man3c/pthread_rwlock_destroy.3c \
1046   target=pthread_rwlock_init.3c
1047 link path=usr/share/man/man3c/pthread_rwlock_reltimedrdlock_np.3c \
1048   target=pthread_rwlock_timedrdlock.3c
1049 link path=usr/share/man/man3c/pthread_rwlock_reltimedwrlock_np.3c \
1050   target=pthread_rwlock_timedwrlock.3c
1051 link path=usr/share/man/man3c/pthread_rwlock_tryrdlock.3c \

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1052 target=pthread_rwlock_rdlock.3c
1053 link path=usr/share/man/man3c/pthread_rwlock_trywrlock.3c \
1054 target=pthread_rwlock_wrlock.3c
1055 link path=usr/share/man/man3c/pthread_rwlockattr_destroy.3c \
1056 target=pthread_rwlockattr_init.3c
1057 link path=usr/share/man/man3c/pthread_rwlockattr_setpshared.3c \
1058 target=pthread_rwlockattr_getpshared.3c
1059 link path=usr/share/man/man3c/pthread_setconcurrency.3c \
1060 target=pthread_getconcurrency.3c
1061 link path=usr/share/man/man3c/pthread_setschedparam.3c \
1062 target=pthread_getschedparam.3c
1063 link path=usr/share/man/man3c/pthread_setspecific.3c \
1064 target=pthread_getspecific.3c
1065 link path=usr/share/man/man3c/pthread_spin_init.3c \
1066 target=pthread_spin_destroy.3c
1067 link path=usr/share/man/man3c/pthread_spin_trylock.3c \
1068 target=pthread_spin_lock.3c
1069 link path=usr/share/man/man3c/putc.3c target=fputc.3c
1070 link path=usr/share/man/man3c/putc_unlocked.3c target=fputc.3c
1071 link path=usr/share/man/man3c/putchar.3c target=fputc.3c
1072 link path=usr/share/man/man3c/putchar_unlocked.3c target=fputc.3c
1073 link path=usr/share/man/man3c/putmntent.3c target=getmntent.3c
1074 link path=usr/share/man/man3c/pututline.3c target=getutent.3c
1075 link path=usr/share/man/man3c/pututxline.3c target=getutxent.3c
1076 link path=usr/share/man/man3c/putw.3c target=fputc.3c
1077 link path=usr/share/man/man3c/putwc.3c target=fputwc.3c
1078 link path=usr/share/man/man3c/putwchar.3c target=fputwc.3c
1079 link path=usr/share/man/man3c/qeconvert.3c target=econvert.3c
1080 link path=usr/share/man/man3c/qfconvert.3c target=econvert.3c
1081 link path=usr/share/man/man3c/qgconvert.3c target=econvert.3c
1082 link path=usr/share/man/man3c/quadruple_to_decimal.3c \
1083 target=floating_to_decimal.3c
1084 link path=usr/share/man/man3c/rand_r.3c target=rand.3c
1085 link path=usr/share/man/man3c/rctlblk_get_enforced_value.3c \
1086 target=rctlblk_set_value.3c
1087 link path=usr/share/man/man3c/rctlblk_get_firing_time.3c \
1088 target=rctlblk_set_value.3c
1089 link path=usr/share/man/man3c/rctlblk_get_global_action.3c \
1090 target=rctlblk_set_value.3c
1091 link path=usr/share/man/man3c/rctlblk_get_global_flags.3c \
1092 target=rctlblk_set_value.3c
1093 link path=usr/share/man/man3c/rctlblk_get_local_action.3c \
1094 target=rctlblk_set_value.3c
1095 link path=usr/share/man/man3c/rctlblk_get_local_flags.3c \
1096 target=rctlblk_set_value.3c
1097 link path=usr/share/man/man3c/rctlblk_get_privilege.3c \
1098 target=rctlblk_set_value.3c
1099 link path=usr/share/man/man3c/rctlblk_get_recipient_pid.3c \
1100 target=rctlblk_set_value.3c
1101 link path=usr/share/man/man3c/rctlblk_get_value.3c target=rctlblk_set_value.3c
1102 link path=usr/share/man/man3c/rctlblk_set_local_action.3c \
1103 target=rctlblk_set_value.3c
1104 link path=usr/share/man/man3c/rctlblk_set_local_flags.3c \
1105 target=rctlblk_set_value.3c
1106 link path=usr/share/man/man3c/rctlblk_set_privilege.3c \
1107 target=rctlblk_set_value.3c
1108 link path=usr/share/man/man3c/rctlblk_set_recipient_pid.3c \
1109 target=rctlblk_set_value.3c
1110 link path=usr/share/man/man3c/rctlblk_size.3c target=rctlblk_set_value.3c
1111 link path=usr/share/man/man3c/re_exec.3c target=re_comp.3c
1112 link path=usr/share/man/man3c/readdir_r.3c target=readdir.3c
1113 link path=usr/share/man/man3c/realloc.3c target=malloc.3c
1114 link path=usr/share/man/man3c/regerror.3c target=regcomp.3c
1115 link path=usr/share/man/man3c/regex.3c target=regcomp.3c
1116 link path=usr/share/man/man3c/regexec.3c target=regcomp.3c
1117 link path=usr/share/man/man3c/regfree.3c target=regcomp.3c

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1118 link path=usr/share/man/man3c/remque.3c target=insque.3c
1119 link path=usr/share/man/man3c/resetmnttab.3c target=getmntent.3c
1120 link path=usr/share/man/man3c/rindex.3c target=index.3c
1121 link path=usr/share/man/man3c/rw_rdlock.3c target=rwlock.3c
1122 link path=usr/share/man/man3c/rw_tryrdlock.3c target=rwlock.3c
1123 link path=usr/share/man/man3c/rw_trywrlock.3c target=rwlock.3c
1124 link path=usr/share/man/man3c/rw_unlock.3c target=rwlock.3c
1125 link path=usr/share/man/man3c/rw_wrlock.3c target=rwlock.3c
1126 link path=usr/share/man/man3c/rwlock_destroy.3c target=rwlock.3c
1127 link path=usr/share/man/man3c/rwlock_init.3c target=rwlock.3c
1128 link path=usr/share/man/man3c/sched_get_priority_min.3c \
1129 target=sched_get_priority_max.3c
1130 link path=usr/share/man/man3c/schedctl_exit.3c target=schedctl_init.3c
1131 link path=usr/share/man/man3c/schedctl_lookup.3c target=schedctl_init.3c
1132 link path=usr/share/man/man3c/schedctl_start.3c target=schedctl_init.3c
1133 link path=usr/share/man/man3c/schedctl_stop.3c target=schedctl_init.3c
1134 link path=usr/share/man/man3c/seconvert.3c target=econvert.3c
1135 link path=usr/share/man/man3c/seed48.3c target=drand48.3c
1136 link path=usr/share/man/man3c/sem_reltimedwait_np.3c target=sem_timedwait.3c
1137 link path=usr/share/man/man3c/sem_trywait.3c target=sem_wait.3c
1138 link path=usr/share/man/man3c/sem_destroy.3c target=semaphore.3c
1139 link path=usr/share/man/man3c/sem_init.3c target=semaphore.3c
1140 link path=usr/share/man/man3c/sem_post.3c target=semaphore.3c
1141 link path=usr/share/man/man3c/sem_trywait.3c target=semaphore.3c
1142 link path=usr/share/man/man3c/sem_wait.3c target=semaphore.3c
1143 link path=usr/share/man/man3c/setattrat.3c target=fgetattr.3c
1144 link path=usr/share/man/man3c/setgrent.3c target=getgname.3c
1145 link path=usr/share/man/man3c/sethostname.3c target=gethostname.3c
1146 link path=usr/share/man/man3c/setlinebuf.3c target=setbuffer.3c
1147 link path=usr/share/man/man3c/setlogmask.3c target=syslog.3c
1148 link path=usr/share/man/man3c/setnetgrent.3c target=getnetgrent.3c
1149 link path=usr/share/man/man3c/setpriority.3c target=getpriority.3c
1150 link path=usr/share/man/man3c/setpwent.3c target=getpwnam.3c
1151 link path=usr/share/man/man3c/setspent.3c target=getspnam.3c
1152 link path=usr/share/man/man3c/setstate.3c target=random.3c
1153 link path=usr/share/man/man3c/settimeofday.3c target=gettimeofday.3c
1154 link path=usr/share/man/man3c/setusershell.3c target=getusershell.3c
1155 link path=usr/share/man/man3c/setutent.3c target=getutent.3c
1156 link path=usr/share/man/man3c/setutxent.3c target=getutxent.3c
1157 link path=usr/share/man/man3c/setvbuf.3c target=setbuf.3c
1158 link path=usr/share/man/man3c/sfconvert.3c target=econvert.3c
1159 link path=usr/share/man/man3c/sgconvert.3c target=econvert.3c
1160 link path=usr/share/man/man3c/sig2str.3c target=str2sig.3c
1161 link path=usr/share/man/man3c/sigaddset.3c target=sigsetops.3c
1162 link path=usr/share/man/man3c/sigdelset.3c target=sigsetops.3c
1163 link path=usr/share/man/man3c/sigemptyset.3c target=sigsetops.3c
1164 link path=usr/share/man/man3c/sigfillset.3c target=sigsetops.3c
1165 link path=usr/share/man/man3c/sighold.3c target=signal.3c
1166 link path=usr/share/man/man3c/sigignore.3c target=signal.3c
1167 link path=usr/share/man/man3c/sigismember.3c target=sigsetops.3c
1168 link path=usr/share/man/man3c/siglongjmp.3c target=setjmp.3c
1169 link path=usr/share/man/man3c/sigpause.3c target=signal.3c
1170 link path=usr/share/man/man3c/sigrelse.3c target=signal.3c
1171 link path=usr/share/man/man3c/sigset.3c target=signal.3c
1172 link path=usr/share/man/man3c/sigsetjmp.3c target=setjmp.3c
1173 link path=usr/share/man/man3c/sigtimedwait.3c target=sigwaitinfo.3c
1174 link path=usr/share/man/man3c/single_to_decimal.3c \
1175 target=floating_to_decimal.3c
1176 link path=usr/share/man/man3c/snprintf.3c target=printf.3c
1177 link path=usr/share/man/man3c/sprintf.3c target=printf.3c
1178 link path=usr/share/man/man3c/srand.3c target=rand.3c
1179 link path=usr/share/man/man3c/srand48.3c target=drand48.3c
1180 link path=usr/share/man/man3c/srandom.3c target=random.3c
1181 link path=usr/share/man/man3c/sscanf.3c target=scanf.3c
1182 link path=usr/share/man/man3c/stderr.3c target=stdio.3c
1183 link path=usr/share/man/man3c/stdin.3c target=stdio.3c

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1184 link path=usr/share/man/man3c/stdout.3c target=stdio.3c
1185 link path=usr/share/man/man3c/strcasecmp.3c target=string.3c
1186 link path=usr/share/man/man3c/strcasecmp.1.3c target=string.3c
1187 link path=usr/share/man/man3c/strcat.3c target=string.3c
1188 link path=usr/share/man/man3c/strchr.3c target=string.3c
1189 link path=usr/share/man/man3c/strcmp.3c target=string.3c
1190 link path=usr/share/man/man3c/strcoll.1.3c target=strcoll.3c
1191 link path=usr/share/man/man3c/strcpy.3c target=string.3c
1192 link path=usr/share/man/man3c/strcspn.3c target=string.3c
1193 link path=usr/share/man/man3c/stdup.3c target=string.3c
1194 link path=usr/share/man/man3c/strfmon.1.3c target=strfmon.3c
1195 link path=usr/share/man/man3c/strftime.1.3c target=strftime.3c
1196 link path=usr/share/man/man3c/strerror_r.3c target=strerror.3c
1197 link path=usr/share/man/man3c/strlcat.3c target=string.3c
1198 link path=usr/share/man/man3c/strncpy.3c target=string.3c
1199 link path=usr/share/man/man3c/strlen.3c target=string.3c
1200 link path=usr/share/man/man3c/strncasecmp.3c target=string.3c
1201 link path=usr/share/man/man3c/strncasecmp.1.3c target=string.3c
1202 link path=usr/share/man/man3c/strncat.3c target=string.3c
1203 link path=usr/share/man/man3c/strncmp.3c target=string.3c
1204 link path=usr/share/man/man3c/strncpy.3c target=string.3c
1205 link path=usr/share/man/man3c/strnlen.3c target=string.3c
1206 link path=usr/share/man/man3c/strpbrk.3c target=string.3c
1207 link path=usr/share/man/man3c/strptime.1.3c target=strptime.3c
1208 link path=usr/share/man/man3c/strrchr.3c target=string.3c
1209 link path=usr/share/man/man3c/strsep.3c target=string.3c
1210 link path=usr/share/man/man3c/strspn.3c target=string.3c
1211 link path=usr/share/man/man3c/strstr.3c target=string.3c
1212 link path=usr/share/man/man3c/strtof.3c target=strtod.3c
1213 link path=usr/share/man/man3c/strtok.3c target=string.3c
1214 link path=usr/share/man/man3c/strtok_r.3c target=string.3c
1215 link path=usr/share/man/man3c/strtol.3c target=strtod.3c
1216 link path=usr/share/man/man3c/strtol.3c target=strtol.3c
1217 link path=usr/share/man/man3c/strtoul.3c target=strtoul.3c
1218 link path=usr/share/man/man3c/strtoumax.3c target=strtoumax.3c
1219 link path=usr/share/man/man3c/strxfrm.1.3c target=strxfrm.3c
1220 link path=usr/share/man/man3c/swapcontext.3c target=makecontext.3c
1221 link path=usr/share/man/man3c/swprintf.3c target=fprintf.3c
1222 link path=usr/share/man/man3c/swscanf.3c target=fscanf.3c
1223 link path=usr/share/man/man3c/tdelete.3c target=tsearch.3c
1224 link path=usr/share/man/man3c/tempnam.3c target=tmpnam.3c
1225 link path=usr/share/man/man3c/textdomain.3c target=gettext.3c
1226 link path=usr/share/man/man3c/tfind.3c target=tsearch.3c
1227 link path=usr/share/man/man3c/thr_continue.3c target=thr_suspend.3c
1228 link path=usr/share/man/man3c/thr_getspecific.3c target=thr_keycreate.3c
1229 link path=usr/share/man/man3c/thr_keycreate_once.3c target=thr_keycreate.3c
1230 link path=usr/share/man/man3c/thr_setconcurrency.3c \
1231 target=thr_getconcurrency.3c
1232 link path=usr/share/man/man3c/thr_setprio.3c target=thr_getprio.3c
1233 link path=usr/share/man/man3c/thr_setspecific.3c target=thr_keycreate.3c
1234 link path=usr/share/man/man3c/timer_getoverrun.3c target=timer_settime.3c
1235 link path=usr/share/man/man3c/timer_gettime.3c target=timer_settime.3c
1236 link path=usr/share/man/man3c/timerclear.3c target=timeradd.3c
1237 link path=usr/share/man/man3c/timercmp.3c target=timeradd.3c
1238 link path=usr/share/man/man3c/timerisset.3c target=timeradd.3c
1239 link path=usr/share/man/man3c/timersub.3c target=timeradd.3c
1240 link path=usr/share/man/man3c/tmpnam_r.3c target=tmpnam.3c
1241 link path=usr/share/man/man3c/tolower.1.3c target=tolower.3c
1242 link path=usr/share/man/man3c/toupper.1.3c target=toupper.3c
1243 link path=usr/share/man/man3c/towctrans.3c target=wctrans.3c
1244 link path=usr/share/man/man3c/towctrans.1.3c target=wctrans.3c
1245 link path=usr/share/man/man3c/towlower.1.3c target=tolower.3c
1246 link path=usr/share/man/man3c/towupper.1.3c target=toupper.3c
1247 link path=usr/share/man/man3c/ttyname_r.3c target=tyname.3c
1248 link path=usr/share/man/man3c/twalk.3c target=tsearch.3c
1249 link path=usr/share/man/man3c/tzset.3c target=ctime.3c

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1250 link path=usr/share/man/man3c/uconv_ul6tou8.3c target=uconv_ul6tou32.3c
1251 link path=usr/share/man/man3c/uconv_u32tou16.3c target=uconv_ul6tou32.3c
1252 link path=usr/share/man/man3c/uconv_u32tou8.3c target=uconv_ul6tou32.3c
1253 link path=usr/share/man/man3c/uconv_u8tou16.3c target=uconv_ul6tou32.3c
1254 link path=usr/share/man/man3c/uconv_u8tou32.3c target=uconv_ul6tou32.3c
1255 link path=usr/share/man/man3c/ucred_free.3c target=ucred_get.3c
1256 link path=usr/share/man/man3c/ucred_getegid.3c target=ucred_get.3c
1257 link path=usr/share/man/man3c/ucred_geteuid.3c target=ucred_get.3c
1258 link path=usr/share/man/man3c/ucred_getgroups.3c target=ucred_get.3c
1259 link path=usr/share/man/man3c/ucred_getlabel.3c target=ucred_get.3c
1260 link path=usr/share/man/man3c/ucred_getpflags.3c target=ucred_get.3c
1261 link path=usr/share/man/man3c/ucred_getpid.3c target=ucred_get.3c
1262 link path=usr/share/man/man3c/ucred_getprivset.3c target=ucred_get.3c
1263 link path=usr/share/man/man3c/ucred_getprojid.3c target=ucred_get.3c
1264 link path=usr/share/man/man3c/ucred_getrgid.3c target=ucred_get.3c
1265 link path=usr/share/man/man3c/ucred_getruid.3c target=ucred_get.3c
1266 link path=usr/share/man/man3c/ucred_getsgid.3c target=ucred_get.3c
1267 link path=usr/share/man/man3c/ucred_getsuid.3c target=ucred_get.3c
1268 link path=usr/share/man/man3c/ucred_getzoneid.3c target=ucred_get.3c
1269 link path=usr/share/man/man3c/ucred_size.3c target=ucred_get.3c
1270 link path=usr/share/man/man3c/ulckpwdf.3c target=lckpwdf.3c
1271 link path=usr/share/man/man3c/ulltostr.3c target=strtol.3c
1272 link path=usr/share/man/man3c/unordered.3c target=isnand.3c
1273 link path=usr/share/man/man3c/updwtmp.3c target=getutxent.3c
1274 link path=usr/share/man/man3c/updwtmpx.3c target=getutxent.3c
1275 link path=usr/share/man/man3c/utmpname.3c target=getutent.3c
1276 link path=usr/share/man/man3c/utmpxname.3c target=getutxent.3c
1277 link path=usr/share/man/man3c/valloc.3c target=malloc.3c
1278 link path=usr/share/man/man3c/vasprintf.3c target=vprintf.3c
1279 link path=usr/share/man/man3c/verr.3c target=err.3c
1280 link path=usr/share/man/man3c/verrx.3c target=err.3c
1281 link path=usr/share/man/man3c/vfprintf.3c target=vprintf.3c
1282 link path=usr/share/man/man3c/vfscanf.3c target=scanf.3c
1283 link path=usr/share/man/man3c/vfwscanf.3c target=fscanf.3c
1284 link path=usr/share/man/man3c/vscanf.3c target=scanf.3c
1285 link path=usr/share/man/man3c/vsnprintf.3c target=vprintf.3c
1286 link path=usr/share/man/man3c/vsprintf.3c target=vprintf.3c
1287 link path=usr/share/man/man3c/vsscanf.3c target=scanf.3c
1288 link path=usr/share/man/man3c/vswprintf.3c target=vfprintf.3c
1289 link path=usr/share/man/man3c/vswscanf.3c target=fscanf.3c
1290 link path=usr/share/man/man3c/vwarn.3c target=err.3c
1291 link path=usr/share/man/man3c/vwarnx.3c target=err.3c
1292 link path=usr/share/man/man3c/vwprintf.3c target=vfprintf.3c
1293 link path=usr/share/man/man3c/vwscanf.3c target=fscanf.3c
1294 link path=usr/share/man/man3c/wait4.3c target=wait3.3c
1295 link path=usr/share/man/man3c/warn.3c target=err.3c
1296 link path=usr/share/man/man3c/warnx.3c target=err.3c
1297 link path=usr/share/man/man3c/watof.3c target=wcstod.3c
1298 link path=usr/share/man/man3c/watoi.3c target=wcstol.3c
1299 link path=usr/share/man/man3c/watol.3c target=wcstol.3c
1300 link path=usr/share/man/man3c/watoll.3c target=wcstol.3c
1301 link path=usr/share/man/man3c/wcrtomb.1.3c target=wcrtomb.3c
1302 link path=usr/share/man/man3c/wcscat.3c target=wcstring.3c
1303 link path=usr/share/man/man3c/wcschr.3c target=wcstring.3c
1304 link path=usr/share/man/man3c/wcscmp.3c target=wcstring.3c
1305 link path=usr/share/man/man3c/wcscoll.1.3c target=wcscoll.3c
1306 link path=usr/share/man/man3c/wcscpy.3c target=wcstring.3c
1307 link path=usr/share/man/man3c/wcscspn.3c target=wcstring.3c
1308 link path=usr/share/man/man3c/wcsetno.3c target=cset.3c
1309 link path=usr/share/man/man3c/wcslen.3c target=wcstring.3c
1310 link path=usr/share/man/man3c/wcsncat.3c target=wcstring.3c
1311 link path=usr/share/man/man3c/wcsncmp.3c target=wcstring.3c
1312 link path=usr/share/man/man3c/wcsncpy.3c target=wcstring.3c
1313 link path=usr/share/man/man3c/wcsprbrk.3c target=wcstring.3c
1314 link path=usr/share/man/man3c/wcsrchr.3c target=wcstring.3c
1315 link path=usr/share/man/man3c/wcsspn.3c target=wcstring.3c

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1316 link path=usr/share/man/man3c/wcstof.3c target=wcstod.3c  
1317 link path=usr/share/man/man3c/wcstok.3c target=wcstring.3c  
1318 link path=usr/share/man/man3c/wcstold.3c target=wcstod.3c  
1319 link path=usr/share/man/man3c/wcstoll.3c target=wcstol.3c  
1320 link path=usr/share/man/man3c/wcstoull.3c target=wcstoul.3c  
1321 link path=usr/share/man/man3c/wcstoumax.3c target=wcstoimax.3c  
1322 link path=usr/share/man/man3c/wcswcs.3c target=wcstring.3c  
1323 link path=usr/share/man/man3c/wcswidth\_1.3c target=wcswidth.3c  
1324 link path=usr/share/man/man3c/wctob\_1.3c target=wctob.3c  
1325 link path=usr/share/man/man3c/wctomb\_1.3c target=wctomb.3c  
1326 link path=usr/share/man/man3c/wctrans\_1.3c target=wctrans.3c  
1327 link path=usr/share/man/man3c/wctype\_1.3c target=wctype.3c  
1328 link path=usr/share/man/man3c/wcwidth\_1.3c target=wcwidth.3c  
1329 link path=usr/share/man/man3c/windex.3c target=wcstring.3c  
1330 link path=usr/share/man/man3c/wordfree.3c target=wordexp.3c  
1331 link path=usr/share/man/man3c/wprintf.3c target=fwprintf.3c  
1332 link path=usr/share/man/man3c/wrindex.3c target=wcstring.3c  
1333 link path=usr/share/man/man3c/wscanf.3c target=fwscanf.3c  
1334 link path=usr/share/man/man3c/wscasecmp.3c target=wstring.3c  
1335 link path=usr/share/man/man3c/wscat.3c target=wcstring.3c  
1336 link path=usr/share/man/man3c/wschr.3c target=wcstring.3c  
1337 link path=usr/share/man/man3c/wscmp.3c target=wcstring.3c  
1338 link path=usr/share/man/man3c/wscoll.3c target=wstring.3c  
1339 link path=usr/share/man/man3c/wscoll\_1.3c target=wcscoll.3c  
1340 link path=usr/share/man/man3c/wscopy.3c target=wcstring.3c  
1341 link path=usr/share/man/man3c/wscspn.3c target=wcstring.3c  
1342 link path=usr/share/man/man3c/wsdup.3c target=wstring.3c  
1343 link path=usr/share/man/man3c/wslen.3c target=wcstring.3c  
1344 link path=usr/share/man/man3c/wsnccasecmp.3c target=wstring.3c  
1345 link path=usr/share/man/man3c/wsnccat.3c target=wcstring.3c  
1346 link path=usr/share/man/man3c/wsnccmp.3c target=wcstring.3c  
1347 link path=usr/share/man/man3c/wsnncpy.3c target=wcstring.3c  
1348 link path=usr/share/man/man3c/wspbrk.3c target=wcstring.3c  
1349 link path=usr/share/man/man3c/wsrchr.3c target=wcstring.3c  
1350 link path=usr/share/man/man3c/wsspn.3c target=wcstring.3c  
1351 link path=usr/share/man/man3c/wstod.3c target=wcstod.3c  
1352 link path=usr/share/man/man3c/wstok.3c target=wcstring.3c  
1353 link path=usr/share/man/man3c/wstol.3c target=wcstol.3c  
1354 link path=usr/share/man/man3c/wstostr.3c target=strows.3c  
1355 link path=usr/share/man/man3c/wsxfirm.3c target=wcxfirm.3c