NAME

wcwidth − determine columns needed for a wide character

SYNOPSIS

#define _XOPEN_SOURCE   /* See feature_test_macros(7) */
#include <wchar.h>

int wcwidth(wchar_t *c***);**

DESCRIPTION

The **wcwidth**() function returns the number of columns needed to represent the wide character *c*. If *c* is a printable wide character, the value is at least 0. If *c* is null wide character (L'\0'), the value is 0. Otherwise, −1 is returned.

RETURN VALUE

The **wcwidth**() function returns the number of column positions for *c*.

ATTRIBUTES

Multithreading (see pthreads(7))

The **wcwidth**() function is thread-safe with exceptions. It can be safely used in multithreaded applications, as long as **setlocale**(3) is not called to change the locale during its execution.

CONFORMING TO

POSIX.1-2001.

Note that glibc before 2.2.5 used the prototype
int wcwidth(wint_t *c***);**

NOTES

The behavior of **wcwidth**() depends on the **LC_CTYPE** category of the current locale.

SEE ALSO

iswprint(3), **wcswidth**(3)

COLOPHON

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