

NAME

wctrans - wide-character translation mapping

SYNOPSIS

```
#include <wctype.h>
```

```
wctrans_t wctrans(const char *name);
```

DESCRIPTION

The *wctrans_t* type represents a mapping which can map a wide character to another wide character. Its nature is implementation-dependent, but the special value (*wctrans_t*) 0 denotes an invalid mapping. Nonzero *wctrans_t* values can be passed to the [towctrans\(3\)](#) function to actually perform the wide-character mapping.

The **wctrans()** function returns a mapping, given by its name. The set of valid names depends on the **LC_CTYPE** category of the current locale, but the following names are valid in all locales.

"tolower" - realizes the [tolower\(3\)](#)

mapping

"toupper" - realizes the [toupper\(3\)](#)

mapping

RETURN VALUE

The **wctrans()** function returns a mapping descriptor if the *name* is valid. Otherwise, it returns (*wctrans_t*) 0.

ATTRIBUTES

For an explanation of the terms used in this section, see [attributes\(7\)](#).

Interface	Attribute	Value
wctrans()	Thread safety	MT-Safe locale

CONFORMING TO

POSIX.1-2001, POSIX.1-2008, C99.

NOTES

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

SEE ALSO

[towctrans\(3\)](#)

COLOPHON

This page is part of release 4.10 of the Linux *man-pages* project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.