

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
<code>wctrans()</code>	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 4.16 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/>.