

NAME

addwstr, **waddwstr**, **mvaddwstr**, **mvwaddwstr**, **addnwstr**, **waddnwstr**, **mvaddnwstr**, **mvwaddnwstr** – add a wide-character string to a *curses* window and advance the cursor

SYNOPSIS

```
#include <curses.h>
```

```
int addwstr(const wchar_t * wstr);
int waddwstr(WINDOW * win, const wchar_t * wstr);
int mvaddwstr(int y, int x, const wchar_t * wstr);
int mvwaddwstr(WINDOW * win, int y, int x,
               const wchar_t * wstr);

int addnwstr(const wchar_t * wstr, int n);
int waddnwstr(WINDOW * win, const wchar_t * wstr, int n);
int mvaddnwstr(int y, int x, const wchar_t * wstr, int n);
int mvwaddnwstr(WINDOW * win, int y, int x,
                const wchar_t * wstr, int n);
```

DESCRIPTION

waddwstr writes the characters of the (wide-null-terminated) wide-character string *wstr* to the window *win*, as if by constructing a *cchar_t* for each *wchar_t* in *wstr*, then calling **wadd_wch**(3X) with the resulting *cchar_t*. *curses* processes spacing and non-spacing characters in *wstr* one at a time. **waddnwstr** is similar, but writes at most *n* wide characters. If *n* is -1, **waddnwstr** writes the entire wide string. **ncurses**(3X) describes the variants of these functions.

RETURN VALUE

These functions return **OK** on success and **ERR** on failure.

In *ncurses*, these functions fail if

- the *curses* screen has not been initialized,
- *wstr* is a null pointer,
- (for functions taking a *WINDOW* pointer argument) *win* is a null pointer, or
- an internal **wadd_wch**(3X) call returns **ERR**.

Functions prefixed with “mv” first perform cursor movement and fail if the position (*y*, *x*) is outside the window boundaries.

NOTES

All of these functions except **waddnwstr** may be implemented as macros.

PORTABILITY

X/Open Curses Issue 4 describes these functions.

SVr4 describes a successful return value only as “an integer value other than *ERR*”.

HISTORY

X/Open Curses Issue 4 (1995) initially specified these functions. The System V Interface Definition Version 4 of the same year specified functions named *waddwstr* and *waddnwstr* (and the usual variants). These were later additions to SVr4.x, not appearing in the first SVr4 (1989).

SEE ALSO

curs_addstr(3X) describes comparable functions of the *ncurses* library in its non-wide-character configuration.

curses(3X), **curs_add_wch**(3X), **curs_add_wchstr**(3X)