

NAME

add_wchstr, **wadd_wchstr**, **mvadd_wchstr**, **mvwadd_wchstr**, **add_wchnstr**, **wadd_wchnstr**, **mvadd_wchnstr**, **mvwadd_wchnstr** – add a *curses* complex character string to a window

SYNOPSIS

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

```
int add_wchstr(const cchar_t * wchstr);
int wadd_wchstr(WINDOW * win, const cchar_t * wchstr);
int mvadd_wchstr(int y, int x, const cchar_t * wchstr);
int mvwadd_wchstr(WINDOW * win, int y, int x, const cchar_t * wchstr);

int add_wchnstr(const cchar_t * wchstr, int n);
int wadd_wchnstr(WINDOW * win, const cchar_t * wchstr, int n);
int mvadd_wchnstr(int y, int x, const cchar_t * wchstr, int n);
int mvwadd_wchnstr(WINDOW * win, int y, int x,
    const cchar_t * wchstr, int n);
```

DESCRIPTION

wadd_wchstr copies the string of complex characters *wchstr* to the window *win*. A null complex character terminates the string. If a complex character does not completely fit at the end of the line, *curses* fills its remaining cells with the window's background character; see **bkgrnd(3X)**. **wadd_wchnstr** does the same, but copies at most *n* characters, or as many as possible if *n* is **-1**. **ncurses(3X)** describes the variants of these functions.

Because these functions do not call **wadd_wch(3X)** internally, they are faster than **waddwstr(3X)** and **waddnwstr(3X)**. On the other hand, they

- do not treat the backspace, carriage return, or line feed characters specially;
- do not represent unprintable characters with **wunctrl(3X)**;
- do not update the cursor position to follow the last character written; and
- truncate the string at the window's right margin, rather than wrapping it to the next line and potentially scrolling.

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,
- *wchstr* is a null pointer, or
- (for functions taking a *WINDOW* pointer argument) *win* is a null pointer.

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 **wadd_wchnstr** may be implemented as macros.

PORTABILITY

X/Open Curses Issue 4 describes these functions. It specifies no error conditions for them.

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 *waddwchstr* and *waddwchnstr* (and the usual variants). These were later additions to SVr4.x, not appearing in the first SVr4 (1989). They differed from X/Open's later *wadd_wchstr* and *wadd_wchnstr* in that they each took an argument of type *wchar_t* instead of *cchar_t*.

SEE ALSO

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

curls(3X), **curl_addwstr**(3X), **curl_add_wch**(3X)