NAME

addchstr, **waddchstr**, **mvaddchstr**, **mvwaddchstr**, **addchnstr**, **waddchnstr**, **mvaddchnstr**, **mvwaddchnstr** − add a *curses* character string to a window

SYNOPSIS

```
#include <curses.h>

int addchstr(const chtype * chstr);
int waddchstr(WINDOW * win, const chtype * chstr);
int mvaddchstr(int y, int x, const chtype * chstr);
int mvwaddchstr(WINDOW * win, int y, int x,
    const chtype * chstr);

int addchnstr(const chtype * chstr, int n);
int waddchnstr(WINDOW * win, const chtype * chstr, int n);
int mvaddchnstr(int y, int x, const chtype * chstr, int n);
int mvwaddchnstr(WINDOW * win, int y, int x,
    const chtype * chstr, int n);
```

DESCRIPTION

waddchstr copies the string of *curses* characters *chstr* to the window *win*. A null*cur ses* character terminates the string. **waddchnstr** does the same, b ut 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 **waddch**(3X) internally, they are faster than **waddstr**(3X) and **waddnstr**(3X). On the other hand, they

- do not treat the backspace, carriage return, or line feed characters specially;
- do not represent unprintable characters with **unctrl**(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,
- *chstr* 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 **waddchnstr** may be implemented as macros.

PORTABILITY

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

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

HISTORY

SVr3.1 (1987) introduced these functions.

SEE ALSO

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

curses(3X), **curs_addch**(3X), **curs_addstr**(3X)