

**NAME**

**addwstr**, **addnwstr**, **waddwstr**, **waddnwstr**, **mvaddwstr**, **mvaddnwstr**, **mvwaddwstr**, **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 mvaddwstr(int y, int x, const wchar_t *wstr);
```

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

```
int waddwstr(WINDOW *win, const wchar_t *wstr);
```

```
int addnwstr(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);
```

```
int waddnwstr(WINDOW *win, const wchar_t *wstr, int n);
```

**DESCRIPTION**

**waddwstr** writes the characters of the (wide-null-terminated) wide-character string *wstr* to the window *win*. Its process is similar to constructing a *cchar\_t* for each *wchar\_t* in *wstr*, then calling **wadd\_wch(3X)** with the resulting *cchar\_t*.

- ⊕ Spacing and non-spacing characters in the string are processed one at a time, and
- ⊕ control characters are processed as in **wadd\_wch(3X)**.

**waddnwstr** writes at most *n* wide characters, or until a terminating wide null character occurs in *wstr*. 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.

X/Open Curses does not specify any error conditions. *ncurses* returns an error

- ⊕ if the window pointer is **NULL**,
- ⊕ if the string pointer is **NULL**, or

⊕ if an internal **wadd\_wch**(3X) call returns an error.

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.

## 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)