

**NAME**

**ins\_wstr**, **ins\_nwstr**, **wins\_wstr**, **wins\_nwstr**, **mvins\_wstr**, **mvins\_nwstr**, **mvwins\_wstr**, **mvwins\_nwstr** - insert a wide-character string in a *curses* window

**SYNOPSIS**

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

```
int ins_wstr(const wchar_t *wstr);
```

```
int ins_nwstr(const wchar_t *wstr, int n);
```

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

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

```
int mvins_wstr(int y, int x, const wchar_t *wstr);
```

```
int mvins_nwstr(int y, int x, const wchar_t *wstr, int n);
```

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

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

**DESCRIPTION**

These routines insert a **wchar\_t** character string (as many characters as will fit on the line) before the character under the cursor, as if calling **wins\_wch**(3X). All characters to the right of the cursor are shifted right, with the possibility of the rightmost characters on the line being lost. No wrapping is performed.

The cursor position does not change (after moving to *y*, *x*, if specified).

The functions with *n* as the last argument insert a leading substring of at most *n* **wchar\_t** characters. If *n* is less than zero, the entire string is inserted (stopping on a L'\0' character).

Special characters are handled as in **wadd\_wch**(3X).

**RETURN VALUE**

All functions return the integer **ERR** upon failure and **OK** on success.

X/Open Curses does not specify any error conditions. This implementation returns an error

- ⊕ if the *win* parameter is null or
- ⊕ if the *wstr* parameter is null or
- ⊕ if the **wins\_wch** function 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 but **wins\_nwstr** may be macros.

If the first character in the string is a non-spacing character, these functions will fail. X/Open Curses does not define what will happen if a non-spacing character follows a control character.

## PORTABILITY

These functions are described in X/Open Curses, Issue 4, which adds *const* qualifiers to the arguments.

X/Open states that the entire string is inserted if  $n$  is less than 1. This is probably an error, because it is inconsistent with other functions, and differs from the X/Open implementation on Solaris.

## SEE ALSO

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

**curses(3X)**, **curs\_ins\_wch(3X)**, **curs\_in\_wch(3X)**