NAME

insstr, **insnstr**, **winsstr**, **winsnstr**, **mvinsstr**, **mvinsnstr**, **mvwinsstr**, **mvwinsnstr** - insert a string in a *curses* window

SYNOPSIS

```
#include <curses.h>
int insstr(const char *str);
int insnstr(const char *str, int n);
int winsstr(WINDOW *win, const char *str);
int winsnstr(WINDOW *win, const char *str, int n);

int mvinsstr(int y, int x, const char *str);
int mvinsnstr(int y, int x, const char *str, int n);
int mvwinsstr(WINDOW *win, int y, int x, const char *str);
int mvwinsnstr(WINDOW *win, int y, int x, const char *str, int n);
```

DESCRIPTION

These routines insert a character string (as many characters as will fit on the line) before the character under the cursor, as if calling **winsch**(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* characters. If *n* is less than zero, the entire string is inserted (stopping on a NUL character).

Special characters are handled as in **waddch**(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 *str* parameter is null or
- the **winsch**(3X) 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 **winsnstr** may be macros.

PORTABILITY

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

The Single Unix Specification, Version 2 states that **insnstr** and **winsnstr** perform wrapping. This is probably an error, since it makes this group of functions inconsistent. Also, no implementation of curses documents this inconsistency.

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 SVr4 and X/Open implementations on Solaris.

SEE ALSO

curses(3X), **curs_inch**(3X), **curs_ins_wstr**(3X), **curs_util**(3X)