NAME

instr, **innstr**, **winstr**, **winnstr**, **mvinstr**, **mvinnstr**, **mvwinstr**, **mvwinnstr** - get a string from a *curses* window

SYNOPSIS

#include <curses.h>

int instr(char **str***);**
int innstr(char **str***, int** *n***);**
int winstr(WINDOW **win***, char ****str***);**
int winnstr(WINDOW **win***, char ****str***, int** *n***);**

int mvinstr(int *y***, int** *x***, char ****str***);**
int mvinnstr(int *y***, int** *x***, char ****str***, int** *n***);**
int mvwinstr(WINDOW **win***, int** *y***, int** *x***, char ****str***);**
int mvwinnstr(WINDOW **win***, int** *y***, int** *x***, char ****str***, int** *n***);**

DESCRIPTION

These routines return a string of characters in *str*, starting at the current cursor position in the named window. Attributes are stripped from the characters.

The four functions with *n* as the last argument return a leading substring at most *n* characters long (exclusive of the trailing NUL). Transfer stops at the end of the current line, or when *n* characters have been stored at the location referenced by *str*.

RETURN VALUE

All of the functions return **ERR** upon failure, or the number of characters actually read into the string.

X/Open Curses defines no error conditions. This implementation returns an error

⊕   if the *win* parameter is null or

⊕   if the *chstr* parameter is null.

Functions prefixed with "mv" first perform cursor movement and fail if the position (*y*, *x*) is outside the window boundaries.

NOTES

All routines except **winnstr** may be macros.

Reading a line that overflows the array pointed to by *str* with **instr**, **mvinstr**, **mvwinstr** or **winstr** causes undefined results. Therefore, the use of **innstr**, **mvinnstr**, **mvwinnstr**, or **winnstr** is recommended.

PORTABILITY

SVr4 does not document whether a length limit includes or excludes the trailing NUL.

The *ncurses* library extends the X/Open Curses description by allowing a negative value for *n*. In this case, the functions return the string ending at the right margin.

SEE ALSO

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

curses(3X), **curs_inch**(3X), **curs_inchstr**(3X)