

**NAME**

**inwstr**, **innwstr**, **winwstr**, **winnwstr**, **mvinwstr**, **mvinnwstr**, **mvwinwstr**, **mvwinnwstr** - get a wide-character string from a *curses* window

**SYNOPSIS**

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

```
int inwstr(wchar_t *wstr);
```

```
int innwstr(wchar_t *wstr, int n);
```

```
int winwstr(WINDOW *win, wchar_t *wstr);
```

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

```
int mvinwstr(int y, int x, wchar_t *wstr);
```

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

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

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

**DESCRIPTION**

These routines return a string of **wchar\_t** wide characters in *wstr*, starting at the current cursor position in the named window.

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 *wstr*.

If the size *n* is not large enough to store a complete complex character, an error is generated.

**RETURN VALUE**

All routines return **ERR** upon failure. Upon successful completion, the **\*inwstr** routines return **OK**, and the **\*innwstr** routines return the number of characters read into the string.

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

- ⊕ if the *win* parameter is null or
- ⊕ if the *wstr* parameter is null, or
- ⊕ if no characters could be read.

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

window boundaries.

## NOTES

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

Each cell in the window holds a complex character (a spacing character and zero or more non-spacing characters) together with attributes and color. These functions store only the wide characters, ignoring attributes and color. Use **in\_wchstr** to return the complex characters from a window.

Reading a line that overflows the array pointed to by *wstr* with **inwstr**, **mvinwstr**, **mvwinwstr** or **winwstr** causes undefined results. Therefore, the use of **innwstr**, **mvinnwstr**, **mvwinnwstr**, or **winnwstr** is recommended.

## PORTABILITY

These functions are described in X/Open Curses, Issue 4.

## SEE ALSO

**curses(3X)**, **curs\_inch(3X)**, **curs\_inchstr(3X)**, **curs\_instr(3X)**, **curs\_in\_wchstr(3X)**