NAME
getattrs, **getbegx**, **getbegy**, **getcurx**, **getcury**, **getmaxx**, **getmaxy**, **getparx**, **getpary** - get *curses* cursor and window coordinates or attributes (legacy)

SYNOPSIS
#include <curses.h>

int getattrs(const WINDOW *win**);**

int getbegx(const WINDOW *win**);**
int getbegy(const WINDOW *win**);**

int getcurx(const WINDOW *win**);**
int getcury(const WINDOW *win**);**

int getmaxx(const WINDOW *win**);**
int getmaxy(const WINDOW *win**);**

int getparx(const WINDOW *win**);**
int getpary(const WINDOW *win**);**

DESCRIPTION
These legacy functions are simpler to use than the X/Open *curses* functions:

⊕   The **getattrs** function returns the same attribute data as **wattr_get**.

     However, **getattrs** returns an integer (actually a **chtype**), while **wattr_get** returns the current color pair in a separate parameter. In the wide-character library configuration, color pairs may not fit into a **chtype**, so **wattr_get** is the only way to obtain the color information.

     Because **getattrs** returns the attributes in a single parameter, it would not be possible for an application to distinguish that from **ERR** (a *-1*). If the window parameter is null, **getattrs** returns **A_NORMAL** (zero).

⊕   The **getbegy** and **getbegx** functions return the same data as **getbegyx**.

⊕   The **getcury** and **getcurx** functions return the same data as **getyx**.

⊕   The **getmaxy** and **getmaxx** functions return the same data as **getmaxyx**.

    ⊕   The **getpary** and **getparx** functions return the same data as **getparyx**.

RETURN VALUE

Except as noted, these functions return an integer, or **ERR** if the window parameter is null.

NOTES

All of these interfaces are implemented as macros and functions. The macros are suppressed (and only the functions provided) in an "opaque" *ncurses* build, which defines the preprocessor symbol **NCURSES_OPAQUE**. See section "ALTERNATE CONFIGURATIONS" in **ncurses**(3X).

The standard forms such as **getyx** *must* be implemented as macros, and (in this implementation) are defined in terms of the functions described here, to avoid reliance on internal details of the *WINDOW* structure.

PORTABILITY

These functions were supported on Version 7, BSD or System V implementations. None of those implementations checked the window parameter.

The **getattrs** function and macro are defined to return a (signed) integer for compatibility with those implementations although an unsigned type would have been more appropriate.

SEE ALSO

curses(3X), **curs_getyx**(3X), **curs_opaque**(3X)