**NAME**
    curs_legacy - get **curses** cursor and window coordinates, attributes

**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 provided as macros and functions.  The macros are suppressed (and only the functions provided) when **NCURSES_OPAQUE** is defined.  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)