

NAME

XQueryPointer - get pointer coordinates

SYNTAX

```
Bool XQueryPointer(Display *display, Window w, Window *root_return, Window *child_return, int
    *root_x_return, int *root_y_return, int *win_x_return, int *win_y_return, unsigned int
    *mask_return);
```

ARGUMENTS

- child_return* Returns the child window that the pointer is located in, if any.
- display* Specifies the connection to the X server.
- mask_return* Returns the current state of the modifier keys and pointer buttons.
- root_return* Returns the root window that the pointer is in.
- root_x_return*
- root_y_return* Return the pointer coordinates relative to the root window's origin.
- w* Specifies the window.
- win_x_return*
- win_y_return* Return the pointer coordinates relative to the specified window.

DESCRIPTION

The **XQueryPointer** function returns the root window the pointer is logically on and the pointer coordinates relative to the root window's origin. If **XQueryPointer** returns **False**, the pointer is not on the same screen as the specified window, and **XQueryPointer** returns **None** to *child_return* and zero to *win_x_return* and *win_y_return*. If **XQueryPointer** returns **True**, the pointer coordinates returned to *win_x_return* and *win_y_return* are relative to the origin of the specified window. In this case, **XQueryPointer** returns the child that contains the pointer, if any, or else **None** to *child_return*.

XQueryPointer returns the current logical state of the keyboard buttons and the modifier keys in *mask_return*. It sets *mask_return* to the bitwise inclusive OR of one or more of the button or modifier key bitmasks to match the current state of the mouse buttons and the modifier keys.

XQueryPointer can generate a **BadWindow** error.

DIAGNOSTICS

BadWindow A value for a Window argument does not name a defined Window.

SEE ALSO

XGetWindowAttributes(3), XQueryTree(3)

Xlib - C Language X Interface