

NAME

XChangePointerControl, XGetPointerControl - control pointer

SYNTAX

```
int XChangePointerControl(Display *display, Bool do_accel, Bool do_threshold, int accel_numerator,
                          int accel_denominator, int threshold);
```

```
int XGetPointerControl(Display *display, int *accel_numerator_return, int *accel_denominator_return,
                      int *threshold_return);
```

ARGUMENTS

accel_denominator

Specifies the denominator for the acceleration multiplier.

accel_denominator_return

Returns the denominator for the acceleration multiplier.

accel_numerator

Specifies the numerator for the acceleration multiplier.

accel_numerator_return

Returns the numerator for the acceleration multiplier.

display

Specifies the connection to the X server.

do_accel

Specifies a Boolean value that controls whether the values for the *accel_numerator* or *accel_denominator* are used.

do_threshold

Specifies a Boolean value that controls whether the value for the *threshold* is used.

threshold

Specifies the acceleration threshold.

threshold_return

Returns the acceleration threshold.

DESCRIPTION

The **XChangePointerControl** function defines how the pointing device moves. The acceleration, expressed as a fraction, is a multiplier for movement. For example, specifying 3/1 means the pointer moves three times as fast as normal. The fraction may be rounded arbitrarily by the X server. Acceleration only takes effect if the pointer moves more than *threshold* pixels at once and only applies

to the amount beyond the value in the threshold argument. Setting a value to -1 restores the default. The values of the `do_accel` and `do_threshold` arguments must be **True** for the pointer values to be set, or the parameters are unchanged. Negative values (other than -1) generate a **BadValue** error, as does a zero value for the `accel_denominator` argument.

XChangePointerControl can generate a **BadValue** error.

The **XGetPointerControl** function returns the pointer's current acceleration multiplier and acceleration threshold.

DIAGNOSTICS

BadValue Some numeric value falls outside the range of values accepted by the request. Unless a specific range is specified for an argument, the full range defined by the argument's type is accepted. Any argument defined as a set of alternatives can generate this error.

SEE ALSO

Xlib - C Language X Interface