XChangePointerControl, XGetPointerControl − control pointer

XChangePointerControl(*display*, *do_accel*, *do_threshold*, *accel_numerator*,
            accel_denominator, *threshold*)
    Display *display;
    Bool *do_accel*, *do_threshold*;
    int *accel_numerator*, *accel_denominator*;
    int *threshold*;
XGetPointerControl(*display*, *accel_numerator_return*, *accel_denominator_return*,
            threshold_return)
    Display *display;
    int **accel_numerator_return*, **accel_denominator_return*;
    int *threshold_return;

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.

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.

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.

Xlib − C Language X Interface