X11 INPUT SYNTHESIS EXTENSION PROPOSAL

X Consortium Standard

Larry Woestman, Hewlett Packard

Version 1.0

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Abstract

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! B
" B
" B
$ % B
& $ F
' ( ) & F
) *) & G

Introduction

*

+

, * (* - (

, * (.

. * (*

. (/ *

. ((.

(

-

0 0 . 1 $

' * 2 3 . . *

Conventions Used In This Document

(* *

+

, (* 0 02 *
* 4

, - *
0 5 67 -0

, - . *
0 85 60

, (* 0 02 *

, " *
0 0 9 :;

Definition Of Terms

Input Actions

2 2 < .
. (. . 9 (
;

User Input Actions

(. (
(9 . . ;2 (((
2 ((< . < .

What Does This Extension Do?

2 . 2

* (+

, . 3
. .
- .
* 2 * (
. (

, . (.

.
*
. *
. . (* *

, . 2 * .((
* 2 . (

Functions In This Extension

High Level Functions

*

XTestMovePointer

XTestMovePointer **display device_id delay x y count*

. 1

8 1 * *

9 (
; 2 *. = *

. 1 9 ; *

2. 1 .
* * .

1 0 .2 2 .0 2
.

* - .
- & .*
2 *
< * 9 ;2 *
.

* 2 = *

XTestPressButton

XTestPressButton **display device_id delay button_number button_action*

. 1

8 1 * *

9
(; 2 *. =
*

. 1 9 ; *

8 1 * (

8 1 9 2
2 ;

* - .

- & .*
2 *
< *

* 2 = *

XTestPressKey

XTestPressKey **display device_id delay keycode key_action*

. 1

8 1 * <. *
9
(; <. 2 *. = *

. 1 9 ; *

<. 1 * <. (

<.8 1 9 2
2 ;

* - .
- & .*
2 *
< <. <. *

* 2 = *

XTestFlush

XTestFlush **display*

. 1

* . (

* 2 = *

Low Level Functions

XTestGetInput

XTestGetInput **display action_handling*

. 1

8 (1 * *
9 =2 >
.0 0 * ;

((

! 7

(. ! "#$
(1 . . .
(* . * 2
! "#$ *
. * +

" . >

, " "#$ % # & =
! "#$

, " "#$ % # & <
. ! "#$
(. 9 *
; <

, " "#$ % # & <
. * (*
< . . * * (
2 * < (

, " "#$ % # & * 0 0
.

, " "#$ % # & * .
2 (. 2 (. .
9 * * ;

.
. +

< .? @ @ (. < .
< . (> * < .
* 2 . *

@ .
*

(2 3

@3 .
*
(

. . * .
* (

* 2 = *

" ' "" . -

XTestStopInput

XTestStopInput **display*

. 1

" (
* . 9
* * ;

" * 2 = *

" ′ ″″ - * *

XTestFakeInput

XTestFakeInput **display *action_list_addr action_list_size ack_flag*

. 1

8 8 1

8 8 4 1 4 9 . ; .
((.

<8 (1 *

. 9)
) * ;

#$ <
. .

.
. % " &

″+ , &)
)+ !

″+ , &) *
)+ !

″+ , &) *
(2 * .)+ ″+
2 < *
(

1 . . . (* .
* 2)+ ″+
. * +

& < " < . >

.
. +

< .? @ @ (. < .
< . (> * < .
* 2 .
((< .

@ .
*
2 .
((
2 3

@3 .
*
(2 .
(

. . * .
* (

#$ * 2 = *

" A / " A 7 .
2 (

XTestQueryInputSize

XTestQueryInputSize **display size_return*

. 1

4 8 7 0

% " & <
((.
A 4 8 A 7

% " & * 2 =
*

XTestReset

XTestReset **display*

. 1

' . ((*
< " *
*
.
. 2 *
2

' * 2 = *