

InputEvent

COLLABORATORS

	<i>TITLE :</i> InputEvent		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		November 24, 2024	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1	InputEvent	1
1.1	InputEvent	1
1.2	TMP:Modula-2/InputEvent.def	1

Chapter 1

InputEvent

1.1 InputEvent

Konstanten

asciiDel	asciiFirst	asciiLast
c0First	c0Last	clFirst
clLast	classMax	commCodeFirst
commCodeLast	keyCodeFirst	keyCodeLast
lButton	latin1First	latin1Last
mButton	newActive	newSize
noButton	rButton	refresh
reqClear	reqSet	subClassCompatible
subClassPixel	subClassTablet	upPrefix

Typ-Deklarationen

Class	InputEvent	InputEventPtr
PointerPixel	PointerPixelPtr	PointerTablet
PointerTabletPtr	QualifierSet	Qualifiers
ShortQualifierSet	Vec2	

1.2 TMP:Modula-2/InputEvent.def

```
DEFINITION MODULE InputEvent ; (*$ Implementation:=FALSE *)
(* 17-Apr-1992/cn *)
```

```
FROM SYSTEM IMPORT ADDRESS;
```

```
FROM Timer IMPORT TimeVal ;
```

```
TYPE
```

```
Class =(
  null, rawkey, rawmouse, event, pointerpos, cl5, timer, gadgetdown,
  gadgetup, requester, menulist, closewindow, sizewindow,
  refreshwindow, newprefs, diskremoved, diskinserted,
  activewindow, inactivewindow,
```

```

    (*36*) newpointerpos, (*36*) menuhelp, (*36*) changewindow
);

```

```
CONST
```

```
classMax=ORD (MAX ( Class ));
```

```

(*36*) subClassCompatible= Class (0);

```

```

(*36*) subClassPixel= Class (1);

```

```

(*36*) subClassTablet= Class (2);

```

```
TYPE
```

```

(*36*) Vec2 =RECORD
    x,y:CARDINAL;
END;

```

```

(*36*) PointerPixel =RECORD
    screen:ADDRESS;
    position: Vec2 ;
END;

```

```

(*36*) PointerPixelPtr =POINTER TO PointerPixel ;

```

```

(*36*) PointerTablet =RECORD
    range: Vec2 ;
    value: Vec2 ;
    pressure:INTEGER;
END;

```

```

(*36*) PointerTabletPtr =POINTER TO PointerTablet ;

```

```
CONST
```

```
upPrefix=080H;
```

```
keyCodeFirst=00H;
```

```
keyCodeLast=077H;
```

```
commCodeFirst=078H;
```

```
commCodeLast=07FH;
```

```
c0First=00H;
```

```
c0Last=01FH;
```

```
asciiFirst=020H;
```

```
asciiLast=07EH;
```

```
asciiDel=07FH;
```

```
c1First=080H;
```

```
c1Last=09FH;
```

```
latin1First=0A0H;
```

```
latin1Last=0FFH;
```

```
lButton=068H;
```

```
rButton=069H;
```

```
mButton=06AH;
```

```
noButton=0FFH;
```

```

(*36*) newActive=01H;

```

```

(*36*) newSize=02H;

```

```

(*36*) refresh=03H;

```

```
reqClear=00H;
```

```
reqSet=01H;
```

```
TYPE
```

```

Qualifiers =(
    lShift, rShift, capsLock, control, lAlt, rAlt, lCommand, rCommand,
    numericPad, repeat, interrupt, multiBroadcast, midButton,

```

```
    rightButton, leftButton, relativeMouse
);
QualifierSet =SET OF   Qualifiers ;
ShortQualifierSet =SET OF [lShift..rCommand]; (* 1 Byte *)

InputEventPtr =POINTER TO   InputEvent ;
InputEvent =RECORD
nextEvent: InputEventPtr ;
class: Class ;
subClass: Class ;
code: CARDINAL;
qualifier: QualifierSet ;
CASE :INTEGER OF
| 0:
    x, y: INTEGER;
| 1:
    eventAddress: ADDRESS;
| 2:
    prev1DownCode: SHORTCARD;
    prev1DownQual: ShortQualifierSet ;
    prev2DownCode: SHORTCARD;
    prev2DownQual: ShortQualifierSet ;
END;
timeStamp: TimeVal
END;

END   InputEvent .noimp
```
