
Subject: Draw widget mouse position error

Posted by [Oliver Smith](#) on Fri, 11 Aug 2000 07:00:00 GMT

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Hi,

I use a draw widget with motion events turned on, I've noticed that a double click event has a different y-position to a single click event. This is demonstrable by the code at the bottom of this message. For a double click, the events returned give:

	X	Y
Cursor position =	187	110
Cursor position =	187	110
Cursor position =	187	111
Cursor position =	187	110

It is easy to work around the problem by detecting the double click (event.clicks = 2) and subtracting 1 from event.y

I can recreate the problem on another computer of almost identical specification to my own. I am using IDL 5.3.1 on NT 4. Can anybody recreate this bug and on what platforms?

Regards,

Oliver Smith

```
PRO DRAW_EVENT, event
  Print, 'Cursor position = ', Event.x, Event.y
END
```

```
PRO ojs
```

```
base = Widget_Base(UNAME = 'WID_BASE', SCR_XSIZE=300 ,SCR_YSIZE=200)
draw = Widget_Draw(Base, UNAME = 'WID_DRAW',SCR_XSIZE = 300, SCR_YSIZE =
200, /BUTTON_EVENTS, EVENT_PRO = 'DRAW_EVENT')
```

```
Widget_Control, /REALIZE, base
Xmanager, 'WID_BASE', base, /NO_BLOCK
```

```
END
```

Subject: Re: Draw widget mouse position error

Posted by [mikef](#) on Mon, 14 Aug 2000 07:00:00 GMT

I am seeing the same problem in IDL 5.2 on WinNT SP4.
The Y value is always one more on the release that indicates a double-click.

In article <8n8af7\$448\$1@trog.dera.gov.uk>,
Oliver Smith <osmith@dera.gov.uk> wrote:
> I'm certain I'm not moving the mouse. The final y value (2nd release event)
> is the same as the first two, so the mouse would have to move for the second
> press, then move back to the original position for the second release. I
> don't see the cursor move at all on the screen.
>
> As for the coffee theory, I do have one of those oversized RSI mugs....
>
> Can anybody else running IDL 5.x under NT recreate this? (see original post
> for code).
>
> Regards,
>
> Oliver

--
--

Mike Fitzgibbon MRFitz@ns.arizona.edu
UofAz, LPL phone:(520)626-4791
Systems Programmer, Pr. fax: (520)621-6783

Subject: Re: Draw widget mouse position error
Posted by [davidf](#) on Mon, 14 Aug 2000 07:00:00 GMT
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Oliver Smith (osmith@dera.gov.uk) writes:

> Can anybody else running IDL 5.x under NT recreate this? (see original post
> for code).

Yes, I can recreate it in IDL 5.3.1 on Windows NT.
It clearly looks like a bug to me. Have you reported it?

Cheers,

David

--

David Fanning, Ph.D.
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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: Draw widget mouse position error
Posted by [Oliver Smith](#) on Mon, 14 Aug 2000 07:00:00 GMT
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As for the coffee theory, I do have one of those oversized RSI mugs....

Can anybody else running IDL 5.x under NT recreate this? (see original post for code).

Regards,

Oliver

"Martin Schultz" <martin.schultz@dkrz.de> wrote in message
news:39941513.FC29E9D@dkrz.de...

> Hi Oliver,
>
> don't see any such behaviour (IDL 5.3 on Linux) except if I really
> move the mouse wildly between the two clicks. Too much coffee ?
>
> Cheers,
> Martin

Subject: Re: Draw widget mouse position error
Posted by [Oliver Smith](#) on Tue, 15 Aug 2000 07:00:00 GMT
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I've sent a message to UK support.

No reply as yet (other than acknowledgement).

Oliver

"David Fanning" <davidf@dfanning.com> wrote in message
news:MPG.14019fcf4bd700af989bc0@news.frii.com...

> Oliver Smith (osmith@dera.gov.uk) writes:

>

>> Can anybody else running IDL 5.x under NT recreate this? (see original

post
>> for code).
>
> Yes, I can recreate it in IDL 5.3.1 on Windows NT.
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> David Fanning, Ph.D.
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Subject: Re: Draw widget mouse position error
Posted by [Rostyslav Pavlichenko](#) on Tue, 15 Aug 2000 07:00:00 GMT
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Oliver Smith wrote:

>
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>
>> Hi Oliver,
>>
>> don't see any such behaviour (IDL 5.3 on Linux) except if I really
>> move the mouse wildly between the two clicks. Too much coffee ?
>>
>> Cheers,
>> Martin

Hi Oliver, Martin

On my W2K, IDL 5.3.1 I got SSDD (Same Shit Different Day)...

To be 100% correct not every time...

```
Cursor position =    96    151
Cursor position =    96    151
Cursor position =    96    152
Cursor position =    96    151
```

```
Cursor position =    96    151
Cursor position =    96    151
Cursor position =    96    152
Cursor position =    96    151
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```
Cursor position =    96    151
Cursor position =    96    151
Cursor position =    96    151
Cursor position =    96    151
```

```
Cursor position =   162    149
Cursor position =   162    149
Cursor position =   162    150
Cursor position =   162    149
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Cursor position =   162    149
Cursor position =   162    149
Cursor position =   162    149
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Cursor position =   162    149
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Cursor position =   162    149
Cursor position =   162    149
Cursor position =   162    150
Cursor position =   162    149
```

Cursor position = 162 149
Cursor position = 162 149
Cursor position = 162 150
Cursor position = 162 149

Cursor position = 162 149
Cursor position = 162 149
Cursor position = 162 150
Cursor position = 162 149

Cursor position = 162 149
Cursor position = 162 149
Cursor position = 162 150
Cursor position = 162 149

Cursor position = 162 149
Cursor position = 162 149
Cursor position = 162 149
Cursor position = 162 149

As you see 3/12=25% of the coorect behaviour. I am using MS IntelliMouse Explorer USB mouse, if this info helps you... It was done with "ordinary care";

for "supergentle pressing" the results are differnt

Cursor position = 63 144
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Cursor position = 63 144

12/12 = 100%

So I think driver-mouse sensitivity is the key to your question...

--

Best regards,

=====

Dr Rostyslav Pavlichenko

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