
Subject: Re: Cursor in Mac OS X 10.5.6 w/X11 2.2.3 and 2.3.2

Posted by [Brian Larsen](#) on Mon, 02 Feb 2009 16:39:43 GMT

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I realize this is not super helpful but everything seems to work for me correctly...

[balarsen@wireless1x-8-61]~> idl

IDL Version 7.0.4, Mac OS X (darwin x86_64 m64). (c) 2008, ITT Visual Information Solutions

IDL> plot, findgen(11)

IDL> cursor,x,y,/down

IDL> print, x, y

4.1469264 5.7047893

IDL> cursor,x,y,/down,/device

IDL> print,x,y

565 297

OSX 10.5.6 build 9G55

Macbook Pro - done locally

The newest X11/pkg seems to be 2.3.2.1 from here:

<http://xquartz.macosforge.org/trac/>

At one point X11.pkg was an issue as you state in the subject.

I seem to have 2.1.5 however... but since it's working and you're having trouble I may not upgrade.

Cheers,

Brian

Brian Larsen

Boston University

Center for Space Physics

<http://people.bu.edu/balarsen/Home/IDL>

Subject: Re: Cursor in Mac OS X 10.5.6 w/X11 2.2.3 and 2.3.2

Posted by [Keflavich](#) on Mon, 02 Feb 2009 16:53:49 GMT

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> [balarsen@wireless1x-8-61]~> idl

> IDL Version 7.0.4, Mac OS X (darwin x86_64 m64). (c) 2008, ITT Visual

> Information Solutions

```
> IDL> plot, findgen(11)
> IDL> cursor,x,y,/down
> IDL> print, x, y
>      4.1469264      5.7047893
> IDL> cursor,x,y,/down,/device
> IDL> print,x,y
>      565      297
```

Actually, that's helpful to some degree - I have a couple versions of IDL installed, apparently, but my startup line is:
IDL Version 7.0, Mac OS X (darwin i386 m32). (c) 2007, ITT Visual Information Solutions

instead of the Version 7.0.6 with x86_64 I expect. So perhaps I have a version issue? The executable I'm using that I believe is 7.0.6 is in the same directory as a version.txt file containing "706", so I'm not sure what the problem is.

```
> The newest X11/pkg seems to be 2.3.2.1 from here:http://xquartz.macosforge.org/trac/
> At one point X11.pkg was an issue as you state in the subject.
```

That's the one I got this morning.

```
> I seem to have 2.1.5 however... but since it's working and you're
> having trouble I may not upgrade.
```

That's a good call. Last time I upgraded X11 it broke many things and I lost a day trying to revert everything.

Subject: Re: Cursor in Mac OS X 10.5.6 w/X11 2.2.3 and 2.3.2
Posted by [David Fanning](#) on Mon, 02 Feb 2009 16:57:44 GMT
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Keflavich writes:

```
> instead of the Version 7.0.6 with x86_64 I expect. So perhaps I have
> a version issue? The executable I'm using that I believe is 7.0.6 is
> in the same directory as a version.txt file containing "706", so I'm
> not sure what the problem is.
```

I think the problem is the screwy naming convention used by ITTVIS. Version 7.0.6 seems to be the *Eclipse* version of IDL. The IDL version remains 7.0. That means you are at the same level as my 7.0.3 version. Got it?

Cheers,

David

--

David Fanning, Ph.D.

Coyote's Guide to IDL Programming (www.dfanning.com)

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Cursor in Mac OS X 10.5.6 w/X11 2.2.3 and 2.3.2

Posted by [Keflavich](#) on Mon, 02 Feb 2009 17:08:09 GMT

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> I think the problem is the screwy naming convention used
> by ITTVIS. Version 7.0.6 seems to be the *Eclipse* version
> of IDL. The IDL version remains 7.0. That means you are
> at the same level as my 7.0.3 version. Got it?

I'm still a bit spotty... does that mean I don't have the 7.0.4 update that includes the Mac OS X cursor/rdpix fixes? Since this is the only version I was able to download at ITT's website, I assumed it included that update, and the release notes seem to confirm that suspicion.

I suppose I should mention that I exclusively use the command line version of IDL, not the Mac .app. I tried using the Mac .app and cursor seemed to work for that, but apparently I don't have a license for that version. Why should the .app and unix executable have such different behavior? Am I simply using the wrong executable?

Thanks,
Adam

Subject: Re: Cursor in Mac OS X 10.5.6 w/X11 2.2.3 and 2.3.2

Posted by [David Fanning](#) on Mon, 02 Feb 2009 17:14:56 GMT

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Keflavich writes:

> I'm still a bit spotty... does that mean I don't have the 7.0.4 update
> that includes the Mac OS X cursor/rdpix fixes? Since this is the only
> version I was able to download at ITT's website, I assumed it included
> that update, and the release notes seem to confirm that suspicion.
>
> I suppose I should mention that I exclusively use the command line
> version of IDL, not the Mac .app. I tried using the Mac .app and
> cursor seemed to work for that, but apparently I don't have a license
> for that version. Why should the .app and unix executable have such
> different behavior? Am I simply using the wrong executable?

I don't know what it means. I can't figure it out. :-(

I guess it means we need guidance from ITTVIS to tell us what it all means. If we find out, I'll write it down somewhere so we can remember it. :-)

Cheers,

David

--

David Fanning, Ph.D.
Coyote's Guide to IDL Programming (www.dfanning.com)
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Cursor in Mac OS X 10.5.6 w/X11 2.2.3 and 2.3.2
Posted by [Brian Larsen](#) on Mon, 02 Feb 2009 17:52:16 GMT
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> I think the problem is the screwy naming convention used
> by ITTVIS. Version 7.0.6 seems to be the *Eclipse* version
> of IDL. The IDL version remains 7.0. That means you are
> at the same level as my 7.0.3 version. Got it?

That is screwy and confusing. I have the eclipse version installed but don't use it. I just type idl and use the command line and aquamacs. I can type idlde to get the eclipse version should I want it, but so far I haven't figured out why I would.

Brian

Brian Larsen
Boston University
Center for Space Physics
<http://people.bu.edu/balarsen/Home/IDL>

Subject: Re: Cursor in Mac OS X 10.5.6 w/X11 2.2.3 and 2.3.2
Posted by [Keflavich](#) on Mon, 02 Feb 2009 18:11:01 GMT
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I found the answer thanks to a friend down the hall. While

defaults write com.apple.x11 wm_click_through -bool true
does not work, there is an option in X11:Preferences:Window called
"Click-through Inactive Windows" that needs to be enabled.

Thanks for the help,
Adam

Subject: Re: Cursor in Mac OS X 10.5.6 w/X11 2.2.3 and 2.3.2
Posted by [Brian Larsen](#) on Mon, 02 Feb 2009 18:14:00 GMT
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On Feb 2, 1:11 pm, Keflavich <keflav...@gmail.com> wrote:
> I found the answer thanks to a friend down the hall. While
> defaults write com.apple.x11 wm_click_through -bool true
> does not work, there is an option in X11:Preferences:Window called
> "Click-through Inactive Windows" that needs to be enabled.
>
> Thanks for the help,
> Adam

Interesting that "Click-through Inactive Windows" fixed it... mine is
not checked.

Brian

Brian Larsen
Boston University
Center for Space Physics
<http://people.bu.edu/balarsen/Home/IDL>

Subject: Re: Cursor in Mac OS X 10.5.6 w/X11 2.2.3 and 2.3.2
Posted by [David Fanning](#) on Mon, 02 Feb 2009 18:17:24 GMT
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Brian Larsen writes:

> That is screwy and confusing. I have the eclipse version installed
> but don't use it. I just type idl and use the command line and
> aquamacs. I can type idlde to get the eclipse version should I want
> it, but so far I haven't figured out why I would.

I prefer to think of it as one of those endearing things
about IDL that makes it so much fun to work with. ;-)

Cheers,

David

--

David Fanning, Ph.D.

Coyote's Guide to IDL Programming (www.dfanning.com)

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Cursor in Mac OS X 10.5.6 w/X11 2.2.3 and 2.3.2

Posted by [David Fanning](#) on Mon, 02 Feb 2009 18:24:09 GMT

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Brian Larsen writes:

> Interesting that "Click-through Inactive Windows" fixed it... mine is
> not checked.

Ah, the joys of UNIX. I'm always fairly shocked when people complain about Windows. I wish I could count up all the hours of productivity that were lost with the "free" KDE 4 "upgrade".

Cheers,

David

--

David Fanning, Ph.D.

Coyote's Guide to IDL Programming (www.dfanning.com)

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Cursor in Mac OS X 10.5.6 w/X11 2.2.3 and 2.3.2

Posted by [Kenneth P. Bowman](#) on Mon, 02 Feb 2009 21:29:13 GMT

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In article

<1defb877-fcee-4495-aee6-0638dfd7c32c@z27g2000prd.googlegroups.com>,
Keflavich <keflavich@gmail.com> wrote:

> I found the answer thanks to a friend down the hall. While
> defaults write com.apple.x11 wm_click_through -bool true
> does not work, there is an option in X11:Preferences:Window called
> "Click-through Inactive Windows" that needs to be enabled.
>
> Thanks for the help,
> Adam

We seem to have many fewer problems when we run the XQuartz distribution

<http://xquartz.macosforge.org/trac/wiki>

It seems to have fewer bugs and generally works better.

Ken Bowman

Subject: Re: Cursor in Mac OS X 10.5.6 w/X11 2.2.3 and 2.3.2

Posted by [Keflavich](#) on Tue, 03 Feb 2009 01:35:59 GMT

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> We seem to have many fewer problems when we run the
> XQuartz distribution
>
> <http://xquartz.macosforge.org/trac/wiki>
>
> It seems to have fewer bugs and generally works better.
>
> Ken Bowman

That's what I'm using; I'm not sure what the difference is between XQuartz and Mac X11 if there is any; as far as I can tell XQuartz is just the implementation of X.org for Mac.

Adam

Subject: Re: Cursor in Mac OS X 10.5.6 w/X11 2.2.3 and 2.3.2

Posted by [Craig Markwardt](#) on Tue, 03 Feb 2009 04:10:21 GMT

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On Feb 2, 11:39 am, Brian Larsen <balar...@gmail.com> wrote:

> I realize this is not super helpful but everything seems to work for
> me correctly...
>
> [balarsen@wireless1x-8-61]~> idl
> IDL Version 7.0.4, Mac OS X (darwin x86_64 m64). (c) 2008, ITT Visual
> Information Solutions
> IDL> plot, findgen(11)
> IDL> cursor,x,y,/down
> IDL> print, x, y
> 4.1469264 5.7047893
> IDL> cursor,x,y,/down,/device

> IDL> print,x,y
> 565 297
>
> OSX 10.5.6 build 9G55
> Macbook Pro - done locally
>
> The newest X11/pkg seems to be 2.3.2.1 from here:<http://xquartz.macosforge.org/trac/>
> At one point X11.pkg was an issue as you state in the subject.
>
> I seem to have 2.1.5 however... but since it's working and you're
> having trouble I may not upgrade.

I'm running Xquartz 2.3.2.1 with no problems. In fact, the new version solved a lot of problems for me, especially because windows used to spontaneously die.suddenly die.

I also do not have the "click through to inactive windows" preferences setting enabled, but "wm_click_through" *is* set, whatever that means.

I definitely needed to upgrade to the newest version of IDL in order to make CURSOR work properly:

{ x86_64 darwin unix Mac OS X 7.0.4 Sep 3 2008 64 64}

I have no idea about Eclipse.

Craig

Subject: Re: Cursor in Mac OS X 10.5.6 w/X11 2.2.3 and 2.3.2

Posted by [karo03de](#) on Tue, 03 Feb 2009 07:53:03 GMT

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On 2 Feb., 18:52, Brian Larsen <balar...@gmail.com> wrote:

>> I think the problem is the screwy naming convention used
>> by ITTVIS. Version 7.0.6 seems to be the *Eclipse* version
>> of IDL. The IDL version remains 7.0. That means you are
>> at the same level as my 7.0.3 version. Got it?

>

> That is screwy and confusing. I have the eclipse version installed
> but don't use it. I just type idl and use the command line and
> aquamacs. I can type idlde to get the eclipse version should I want
> it, but so far I haven't figured out why I would.

Interesting, I am using Aquamacs too but never type idl, except for testing which idl Vesion I have! You don't use idlwave?

IDL executable Version: IDL Version 7.0.4, Mac OS X (darwin ppc m32)

Workbench Version is: Version: 7.0.3 Build id: 20080908

In fact it is more than confusing these different version systems. I assume for calculation, means application of idl, the executable version is important, for development with the workbench the other one! I think up to now the system variables reflect the executable version only.

The X11 Implementation (I am using 2.3.2.1 too from XQuartz) has problems still, at least at PowerPC. I am trying to stay up to date. Each revision gave improvements!

Karsten

Subject: Re: Cursor in Mac OS X 10.5.6 w/X11 2.2.3 and 2.3.2
Posted by [Kenneth P. Bowman](#) on Tue, 03 Feb 2009 14:14:06 GMT
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In article
<bd040af9-456e-4d93-9674-6d256144617f@w1g2000prm.googlegroups.com>,
Keflavich <keflavich@gmail.com> wrote:

>> We seem to have many fewer problems when we run the
>> XQuartz distribution
>>

>>
>> It seems to have fewer bugs and generally works better.
>>
>> Ken Bowman

>
> That's what I'm using; I'm not sure what the difference is between
> XQuartz and Mac X11 if there is any; as far as I can tell XQuartz is
> just the implementation of X.org for Mac.
>
> Adam

Apple's X11 and XQuartz have the same code base, but the X11 that Apple distributes with OS X lags well behind XQuartz in terms of bug fixes, etc.

Ken

Subject: Re: Cursor in Mac OS X 10.5.6 w/X11 2.2.3 and 2.3.2
Posted by [Brian Larsen](#) on Tue, 03 Feb 2009 18:19:52 GMT
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> Interesting, I am using Aquamacs too but never type idl, except for
> testing which idl Version I have! You don't use idlwave?

I actually do but just for the editing help. I have a bunch of different IDL setups that I use making it just easier to use the command line. For example the THEMIS package has namespace issues with SolarSoft so you can only have one in your path at a time and I have some DLMS that are 64 bit and some that are 32 so its just easier.

Cheers,

Brian

Brian Larsen
Boston University
Center for Space Physics
<http://people.bu.edu/balarsen/Home/IDL>

Subject: Re: Cursor in Mac OS X 10.5.6 w/X11 2.2.3 and 2.3.2

Posted by [jimuba](#) on Mon, 09 Feb 2009 23:52:24 GMT

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On Feb 2, 9:53 am, Keflavich <keflav...@gmail.com> wrote:

> Actually, that's helpful to some degree - I have a couple versions of IDL installed, apparently, but my startup line is: IDLVersion 7.0, Mac OS X (darwin i386 m32). (c) 2007, ITT Visual
> Information Solutions
>
> instead of the Version 7.0.6 with x86_64 I expect. So perhaps I have
> a version issue? The executable I'm using that I believe is 7.0.6 is
> in the same directory as a version.txt file containing "706", so I'm
> not sure what the problem is.

IDL 7.0.6 is a full IDL product release with a core version IDL 7.0.6 and an IDL Workbench version to match. IDL 7.0.6 incorporates all previous recommended version 7.0.x Workbench updates.

If the IDL session shows version 7.0 instead of 7.0.6 then the older core IDL 7.0 session is actually being invoked. If so, there are a couple of different reasons I can think this might be happening:

1.) If the IDL_DIR environment variable in your shell environment is pointing to the "idl70" directory rather than to the "idl706" directory, then launching "idl" shell script, even from the idl706/bin directory, will cause IDL 7.0 to launch. If this might be the case, try redefining IDL_DIR to point to the idl706 directory or running the

IDL 7.0.6 setup script prior to issuing the "idl" command. For example:

Bash shell:

```
export IDL_DIR=/Applications/itt/idl706
```

-or-

```
./Applications/itt/idl706/bin/idl_setup.bash
```

C or tcsh shell:

```
setenv IDL_DIR=/Applications/itt/idl706
```

-or-

```
source /Applications/itt/idl706/bin/idl_setup
```

2.) Perhaps a UNIX alias or a symbolic link for the "idl" command is explicitly launching IDL 7.0. To check this, issue the command:

```
which idl
```

-or-

```
alias idl
```

If this returns the path to an incorrect symbolic link or an incorrect alias command, the link or alias can be altered, or try running the IDL 7.0.6 setup script, as mentioned above, before issuing the "idl" command to start the IDL 7.0.6 command line session.

If there still seems to be a problem, please send an email to support@ittvis.com with a subject line "Attention: Jim Uba", and then I'll continue to work with you directly. I can then post a solution when we figure what is going wrong.

Hopefully correcting the IDL version problem will allow you use the CURSOR fix as originally planned.

Cheers,

Jim Uba
Technical Support Engineer
ITT Visual Information Solutions
