
Subject: screen capture of xplot3d
Posted by [kedmond](#) on Fri, 24 Dec 2010 04:22:56 GMT
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Is there a function like tvrd() for xplot3d?

My goal is to automatically produce an animation of a rotating object, saving each frame as an image or into a TIFF stack, so that I can make a movie to show others.

I'm also interested in exporting the 3D data as a VRML file so that people can interact with it on the web.

Thanks.

Subject: Re: screen capture of xplot3d
Posted by [David Fanning](#) on Sun, 02 Jan 2011 02:58:25 GMT
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kedmond writes:

> And I guess Ken Bowman is saying that I need to learn how to use
> iTools in order to be able to do this programmatically.

Well, I still think it can be done in less than a half hour by modifying the XPlot3D code itself. :-)

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: screen capture of xplot3d
Posted by [penteado](#) on Sun, 02 Jan 2011 03:08:07 GMT
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On Jan 2, 12:36 am, kedmond <kedm...@gmail.com> wrote:
> I agree, it's easier to do what I want in plot3d.pro, but the surface
> procedure that it uses to draw the plot symbols doesn't support IDL's

```
> graphical objects...unless I'm mistaken. For example, for the really
> nice image I can make in xplot3d, I do something like the following
>
> oSphere1 = obj_new('orb', COLOR=coltet[*, 0], alpha_channel=alphaval)
> ...
> oSymbol1 = obj_new('IDLgrSymbol', oSphere1)
> ...
>
> xplot3d, x, y, z, symbol=[oSymbol1, oSymbol2 ... ]
>
> and I get the following:http://picasaweb.google.com/kedmond/IDLImages?feat=directlink
>
> So, for example, it'd be nice if that group of spheres, the 'orb'
> object, could rotate in an animation. That's what I'm trying to do.
```

Would it not be something like

```
p=plot3d(indgen(10),indgen(10),indgen(10),sym_object=orb(col or=[255,0,0],radius=3.0))
```

?

Subject: Re: screen capture of xplot3d

Posted by [kedmond](#) on Sun, 02 Jan 2011 04:41:10 GMT

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Dr. Fanning,

I've begun hacking around in the xplot3d.pro code itself, as you suggested. Hopefully I can figure it out. Thanks!

Paulo,

I am not sure which plot3d function you are talking about. Where do I get a copy? Thanks!

-Kazem

On Jan 1, 10:08 pm, Paulo Penteado <pp.pente...@gmail.com> wrote:

> On Jan 2, 12:36 am, kedmond <kedm...@gmail.com> wrote:

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>
> ?
```

Subject: Re: screen capture of xplot3d
Posted by [penteado](#) on Sun, 02 Jan 2011 07:49:54 GMT
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On Jan 2, 2:41 am, kedmond <kedm...@gmail.com> wrote:
> I am not sure which plot3d function you are talking about. Where
> do I get a copy? Thanks!

It is builtin (starting with IDL 8).

Subject: Re: screen capture of xplot3d
Posted by [kedmond](#) on Sun, 02 Jan 2011 17:10:47 GMT
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On Jan 2, 2:49 am, Paulo Penteado <pp.pente...@gmail.com> wrote:
> On Jan 2, 2:41 am, kedmond <kedm...@gmail.com> wrote:
>
>> I am not sure which plot3d function you are talking about. Where
>> do I get a copy? Thanks!
>
> It is builtin (starting with IDL 8).

Ooooh....I am using 7.0. Time to upgrade. Thank you! I'll try it

out.

-Kazem
