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Subject: Re: linked views in an itool?

Posted by [Kenneth P. Bowman](#) on Wed, 16 Jun 2010 21:07:10 GMT

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In article

<fe89fd85-3c0e-4191-9447-7e249111d894@30g2000vbf.googlegroups.com>,

"Jeff N." <jeffnettles4870@gmail.com> wrote:

> Folks,

>

> I'm slowly but surely starting to use itools. The part that i'm  
> struggling with now is that i'd like to have an isurface with two  
> surface plots in it (two views i'm assuming) such that if i take my  
> mouse and rotate one of the plots, the other one is also rotated the  
> same way. Is this easy to do? I can't seem to find anything in the  
> properties dialogs or help file that gives me a hint.

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> Jeff

You can use the OVERPLOT keyword to add a second ISURFACE to the plot using the existing coordinate system. It is part of the same plot and rotates, scales, etc. as a whole.

In fact, although the iTools have different names (IPLOT, ISURFACE, ICONTOUR, etc.), it is really just one tool. We have an application that creates a 3-D plot using ISURFACE, to which we add a 3-D volume data set for isosurface rendering using IVOLUME, plus various point and line objects using IPLOT.

Ken Bowman

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Subject: Re: linked views in an itool?

Posted by [jeffnettles4870](#) on Wed, 16 Jun 2010 22:05:00 GMT

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On Jun 16, 5:07 pm, "Kenneth P. Bowman" <k-bow...@null.edu> wrote:

> In article

> <fe89fd85-3c0e-4191-9447-7e249111d...@30g2000vbf.googlegroups.com> ,

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Thanks Ken.

Using OVERPLOT puts two surfaces in one plot...which would probably be the exact thing i would want to do in most cases. For this one case though, i need to have two different plots in the same itool. I can probably get by with just rotating one, then rotating the other without too much fuss - it's for a live demo, though, so i thought it'd be slick to have the two plots rotating at the same time when you just use the mouse on one - going for style points here :)

---

Subject: Re: linked views in an itool?

Posted by [Kenneth P. Bowman](#) on Thu, 17 Jun 2010 13:13:56 GMT

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In article

<d5cc7511-2c6e-453c-99b1-700975031b1f@t10g2000yqg.googlegroups.com>,  
"Jeff N." <jeffnettles4870@gmail.com> wrote:

>> In article

>> <fe89fd85-3c0e-4191-9447-7e249111d...@30g2000vbf.googlegroups.com> ,

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> just use the mouse on one - going for style points here :)

```

Ahh, I see what you are trying to do (cool idea). I am reasonably certain this could be accomplished, but don't have the faintest idea how. :-(

Ken

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Subject: Re: linked views in an itool?

Posted by [Michael Galloy](#) on Thu, 17 Jun 2010 16:51:22 GMT

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On 6/17/10 7:13 AM, Kenneth P. Bowman wrote:

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> In article
> <d5cc7511-2c6e-453c-99b1-700975031b1f@t10g2000yqg.googlegroups.com>,
> "Jeff N."<jeffnettles4870@gmail.com> wrote:
>
>> On Jun 16, 5:07 pm, "Kenneth P. Bowman"<k-bow...@null.edu> wrote:
>>> In article
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> Ahh, I see what you are trying to do (cool idea). I am reasonably
> certain this could be accomplished, but don't have the faintest
> idea how. :-(
>
> Ken

```

Yes, I know this is possible (since if you draw a line profile on an image a similar linked display is created), but I don't know how to do it. I would check the code for the line profile operation for hints.

Mike

--

www.michaelgalloy.com  
 Research Mathematician  
 Tech-X Corporation

Subject: Re: linked views in an itool?

Posted by [Kenneth P. Bowman](#) on Thu, 17 Jun 2010 18:47:35 GMT

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In article

<d5cc7511-2c6e-453c-99b1-700975031b1f@t10g2000yqg.googlegroups.com>,

"Jeff N." <jeffnettles4870@gmail.com> wrote:

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> just use the mouse on one - going for style points here :)

One different approach that might work is to put both surfaces in one plot but make one of them partially transparent. Depending on the geometry of your problem, that can prevent one surface from interfering with your view of the other.

They would also be larger using that approach, which can make a difference.

Ken

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