Subject: Re: Mysterious disappearing objects (bugs in IDLgrWindow::Draw) Posted by Pavel A. Romashkin on Wed, 29 Aug 2001 14:22:08 GMT

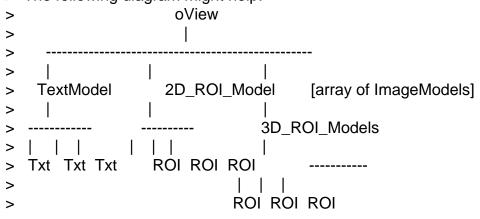
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What IDL version are you using?

Subject: Re: Mysterious disappearing objects (bugs in IDLgrWindow::Draw) Posted by David Fanning on Wed, 29 Aug 2001 15:05:55 GMT View Forum Message <> Reply to Message

Martin Lowry (m.lowry@hull.ac.uk) writes:

- > I'm new to this group but have been watching for a couple of weeks and
- > seen the expertise that is present here DF, CM ... So maybe somebody
- > cam help me out.
- > I've constructed an object that displays medical images acquired in
- > 4D, ie x, y, z & time (typical dimensions 256 x 256 x 10 x 35). Onto
- > the display I can draw ROIs and attach them to the models. Now come
- > the tricky bit, the regions can be viewed on all slices in the volume
- > OR only on that slice on which they were drawn (slice number stored in
- > UVALUE of IDLgrROI). I call this 2D & 3D mode respectively and provide
- > a button to toggle between them. Sometimes when I do this some of the
- > ROIs don't get redrawn! When I interogate the graphics model hierarchy
- > (?sp.) they are clearly in the right place but dont appear on the
- > screen! Are there either bugs in IDLgrWindow::Draw or am I missing
- > something in the transfer?
- > The following diagram might help:



- Only 1 imagemodel is connected to the view at any one time and this
- > carries with it its own 3D_ROI_Model and ROIs. The trick in the 2D/3D
- > switch is to remove ROIs from 3D_ROI_Model and add them to
- > 2D ROI Model, or vice-versa.
- > Q: Why do some of the ROIs disappear?

It is really hard to say why things disappear in object graphics. Perhaps you are using the wrong magical incantations. :-)

But I suspect the problem may relate to rendering order, especially if you are moving things around in the graphics hierarchy. I suggest you put the ROI objects at a slightly positive Z value. This will put them in front of the image, which I presume is a Z=0. Then they should show up clearly all the time.

Best Regards,

David

P.S. Let's just say the proper incantations can sometimes be found in Tolkin's wonderful trilogy.

_-

David W. Fanning, Ph.D. Fanning Software Consulting

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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: Mysterious disappearing objects (bugs in IDLgrWindow::Draw) Posted by Andrew Cool on Wed, 29 Aug 2001 23:50:32 GMT View Forum Message <> Reply to Message

David Fanning wrote:

snip..

>

- > P.S. Let's just say the proper incantations can
- > sometimes be found in Tolkin's wonderful trilogy.

Hey David,

Who's this Tolkin woman? No doubt some American re-writing literary history, just as Hollywood would have us believe that the Yanks captured the Enigma machine in WW2, etc, etc.

J.R.R. Tolkien, twice Professor of Anglo-Saxon English at Oxford, wrote some rather good books ... ;-)

Cheers,

Andrew

Andrew D. Cool .->-

Electromagnetics & Propagation Group `-<-'

Surveillance Systems Division Transmitted on

Defence Science & Technology Organisation 100% recycled

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Phone: 061 8 8259 5740 Fax: 061 8 8259 6673

Email: andrew.cool@dsto.defence.gov.au

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Subject: Re: Mysterious disappearing objects (bugs in IDLgrWindow::Draw) Posted by David Fanning on Thu, 30 Aug 2001 00:10:48 GMT

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Andrew Cool (andrew.cool@dsto.defence.gov.au) writes:

- > Who's this Tolkin woman? No doubt some American re-writing
- > literary history, just as Hollywood would have us believe that
- > the Yanks captured the Enigma machine in WW2, etc, etc.

>

- > J.R.R. Tolkien, twice Professor of Anglo-Saxon English at Oxford,
- > wrote some rather good books ... ;-)

It's my humble opinion that all you computer geeks are *WAY* too overly concerned with spelling!

You know what Twain said (no, not Shania, Mark): "Anyone who can only think of one way to spell a word obviously lacks imagination."

Cheers,

David

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Subject: Re: Mysterious disappearing objects (bugs in IDLgrWindow::Draw)

Posted by Andrew Cool on Thu, 30 Aug 2001 22:58:38 GMT

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David Fanning wrote:

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>
> Andrew Cool (andrew.cool@dsto.defence.gov.au) writes:
>
       Who's this Tolkin woman? No doubt some American re-writing
>>
       literary history, just as Hollywood would have us believe that
>>
       the Yanks captured the Enigma machine in WW2, etc, etc.
>>
>>
       J.R.R. Tolkien, twice Professor of Anglo-Saxon English at Oxford,
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> It's my humble opinion that all you computer
> geeks are *WAY* too overly concerned with spelling!
>
> You know what Twain said (no, not Shania, Mark):
> "Anyone who can only think of one way to spell a word
> obviously lacks imagination."
```

Yep, David, you've got it in one - that's why we read Tolkien, who had more than enough imagination to go around.

Why improve on perfection? I would never dream of altering one of your programs.. ;-)

Andrew