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Subject: Re: IDLgrROIgroup woes  
Posted by [David Fanning](#) on Mon, 09 Sep 2002 13:01:05 GMT  
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Ben Tupper (btupper@bigelow.org) writes:

> I have bumped into a difficulty using the IDLgrROIgroup container  
> object. I have a mixed bag of contours - some are closed and some are  
> open - and there exists a variable number of these contours at each  
> level (z value). I want to make a an IDLgrROI for each contour at  
> each level and then stuff the IDLgrROI into a group container. There  
> are three types of ROIs: 0 = points, 1 = open path and 2 = closed  
> path. It seems that a given IDLgrROIgroup can contain any of one type  
> - but not a mix of types.  
>  
> So, have I bumped into a bug or am I trying to misuse the  
> IDLgrROIgroup?

I think you have discovered an undocumented feature! :-)

It doesn't surprise me that ROIs in an ROI-group have to be the same type. There are operations you want to apply to the group (e.g., through the IDLanROIgroup object) such as computing masks, etc. that would be impossible given contained ROIs of different types.

If you just want a convenient place to store these objects, and you don't have any intention of using the ROIgroup properties, you can use an IDL\_CONTAINER, of course.

Cheers,

David

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Subject: Re: IDLgrROIgroup woes  
Posted by [btupper](#) on Tue, 10 Sep 2002 20:00:12 GMT  
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On Mon, 9 Sep 2002 07:01:05 -0600, David Fanning <[david@dfanning.com](mailto:david@dfanning.com)>

wrote:

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> I think you have discovered an undocumented feature! :-)
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> object) such as computing masks, etc. that would be
> impossible given contained ROIs of different types.
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> If you just want a convenient place to store these
> objects, and you don't have any intention of using
> the ROIgroup properties, you can use an IDL_CONTAINER,
> of course.
>
```

Hi and thanks,

Ah! He jauntily juts out his chins and ventures forth into unknown territory!

I see what you mean about some of the computations... and that makes sense. This issue has surfaced before for me. I'm handed a number of contours in X,Y, Value format. These I must display (including labels) without the benefit of calling CONTOUR - since I have these contours in hand. Usually it a no brainer - just call PLOTS - but where to put the labels? Legends are the solution but not necessarily the one I hoped for. Plus, I want them to be available for object and direct graphics in one convenient bundle. I was hoping that IDLgrROIgroup would allow me to organize the contours for given contour Values together. I think you are right that I should organize these in my own Container... in this case, an IDLgrModel I suspect. That way the user can turn various contour Values on/off via the HIDE property, and I can simply stuff them into an IDLgrView for object graphics.

This is one of those times when I wish I could make the map transformations work in object graphics. I keep thinking that a programmer could set up the map transforms in a hidden DG window - then copy the scaling and offsets into a OG destination... it seems so simple in my daydreams!

Thanks again,  
Ben

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