
Subject: IDLgrROIgroup woes

Posted by [btupper](#) on Sat, 07 Sep 2002 19:06:55 GMT

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Howdy,

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.

Here's my example:

```
;make a group container
IDL> group = obj_new('IDLgrROIgroup')

;make three ROIs - closed, open and points
IDL> x = [0,0,1,1]
IDL> y = [0,1,1,0]
IDL> roi_closed = obj_new('IDLgrROI', x,y,type = 2)
IDL> roi_open = obj_new('IDLgrROI', x,y,type = 1)
IDL> roi_points = obj_new('IDLgrROI', x,y,type = 0)

;add each to the group container
IDL> group->Add, roi_closed
IDL> group->Add, roi_open
% IDLGRROIgroup::ADD: Argument 1 should be of class type IDLanROI
% Execution halted at: $MAIN$
IDL> group->Add, roi_points
% IDLGRROIgroup::ADD: Argument 1 should be of class type IDLanROI
% Execution halted at: $MAIN$

;are the three ROI objects valid? Yes.
IDL> print, obj_valid([roi_closed, roi_open, roi_points])
  1  1  1

;are the three ROI objects really IDLgrROIs? Yes.
IDL> help, roi_closed, roi_open, roi_points
ROI_CLOSED   OBJREF   = <ObjHeapVar581(IDLGRROI)>
ROI_OPEN     OBJREF   = <ObjHeapVar585(IDLGRROI)>
ROI_POINTS   OBJREF   = <ObjHeapVar588(IDLGRROI)>

;make a new container and change the order that I add the ROIs
```

```
IDL> group2 = obj_new('IDLgrROIgroup')
IDL> group2 ->Add, roi_open
IDL> group2 ->Add, roi_closed
% IDLGRROIGROUP::ADD: Argument 1 should be of class type IDLanROI
% Execution halted at: $MAIN$
```

So, have I bumped into a bug or am I trying to misuse the IDLgrROIgroup? I can believe that I am abusing the IDLgrROI since I am having a hard time understanding what it means to have an ROI comprised of points or an ROI that is an open path.

Regards,
Ben
