
Subject: xroi with regions_in problem

Posted by on Tue, 07 Nov 2017 13:28:17 GMT

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Hi,

I'm trying to use the regions_in keyword with xroi but it seems I can't make it work.

The purpose is to have a pre-defined region of interest, that the user can move or size scale in the GUI.

This call, without regions_in, works fine:

```
IDL> xroi, dispim, regions_out = roi, /block
```

But when I do

```
IDL> xroi, dispim, regions_in = [roi_in], regions_out = roi, /block
```

The display image (dispim) is not shown properly (I get just a black image) and the call is terminated with the error message:

```
IDLGRMODEL::ADD: Argument 1 should be of class type IDLgrModel or IDLgrGraphic or IDL_Container
```

If I repeat the call, the image is displayed nicely but I see no defined ROI in the ROI information window.

The roi_in object is created like this:

```
IDL> roi_in = OBJ_NEW('IDLanROI', X_in, Y_in)
```

where X_in and Y_in define a rectangle:

```
IDL> help,X_in,Y_in & print, X_in & print,Y_in
X_IN      LONG      = Array[4]
Y_IN      LONG      = Array[4]
   35      65      65      35
   35      35      65      65
```

The roi_in object at least passes the simplest of tests but could probably be wrong anyway:

```
IDL> roi_in -> getproperty, roi_xrange = xx & print, xx
35.000000    65.000000
```

I'm using regions_in = [roi_in] because the documentation says it should be an array but

regions_in = roi_in gives the same error.

Any advice?
