
Subject: Re: xroi with regions_in problem

Posted by on Wed, 08 Nov 2017 09:41:21 GMT

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OK, so I'm not stupid, I'm just blind... :)

Thanks Helder!

/Mats

Den onsdag 8 november 2017 kl. 09:19:56 UTC+1 skrev Helder:

> Hi Mats,
> you need to give an IDLgrROI as input, not IDLanROI. From the help:

> REGIONS_IN

> Set this keyword to an array of IDLgrROI references.

>

> Here is a working example:

>

> dispim = dist(100)

> roi_in = obj_new('IDLgrROI',[35,65,65,35],[35,35,65,65])

> xroi, dispim, regions_in = roi_in, regions_out = roi_out, /block

> ;edit the roi

> roi_out->getProperty, data=d

> print, d

> 35.0000 16.0000 0.000000

> 87.2581 16.0000 0.000000

> 87.2581 64.3871 0.000000

> 35.0000 64.3871 0.000000

>

> Cheers,

> Helder

>

>

> On Tuesday, 7 November 2017 16:03:17 UTC+1, Mats Löfdahl wrote:

>> Den tisdag 7 november 2017 kl. 14:28:18 UTC+1 skrev Mats Löfdahl:

>>> 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?
>>
>> I should add that dispim is a 100 by 100 byte array, so the rectangle should be within bounds.

```
