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.
