
Subject: sending roi's to iTools

Posted by peter.eddy@shaw.ca on Sat, 05 Mar 2005 20:29:50 GMT

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Greetings,

I frequent this newsgroup as its always a good way to prevent problems I haven't run into yet, though my IDL experience keeps me from posting anything helpful =p.

I am trying to display roi's defined in a procedure as 'IDLanROI' objects. These roi's are defined in a FOR loop and I would like to pass them to an existing ilimage session (with the original image displayed) possibly with a unique color for each.

I have read Dave Fanning's tips suggesting the use of the `_IDLitSys_GetSystem()` reference to replace image data but cant seem to figure out how ilimage handles the roi's.

Any help would be appreciated.

Thanks in advance,
Peter

Subject: Re: sending roi's to iTools

Posted by [Chris\[2\]](#) on Fri, 11 Mar 2005 16:49:20 GMT

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Hi Peter,

Here's one possibility. Let me know if something doesn't make sense.

```
ilimage, hanning(500,500)
it = itgetcurrent(TOOL=oTool)
; Retrieve the image visualization.
olimage = (oTool->GetSelectedItems())[0]

; Construct an ROI visualization.
oDesc = oTool->GetAnnotation('ROI')
oROI = oDesc->GetObjectInstance()

vertices = [[200,200,0], [300,200,0], [300,300,0], [200,300,0]]

; Create a data object to store the vertices, and
; set it as the VERTICES parameter on the ROI.
oData = OBJ_NEW("IDLitData", vertices, NAME='ROI Vertices', $
    TYPE='IDLVERTEX', ICON='segpoly')
```

```
; set data object as VERTICES parameter on the ROI.  
; Use BY_VALUE so the data object gets cleaned up automatically.  
success = oROI->SetData(oData, PARAMETER_NAME='VERTICES', /BY_VALUE)
```

```
; Add the ROI to the Image, and we're done.  
oImage->Add, oROI
```

Cheers,
Chris
Research Systems, Inc.

<peter.eddy@shaw.ca> wrote in message
news:1110054590.689714.213610@g14g2000cwa.googlegroups.com.. .
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> Peter
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Subject: Re: sending roi's to iTools
Posted by [peter.eddy](#) on Mon, 14 Mar 2005 18:59:31 GMT
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Chris,
Thanks for your reply...

I should have been more specific with my version.
I am using version 6.0.3 (windows) and I think this is causing a problem with
the commands you suggested...

When I try the following line:
it = itgetcurrent(TOOL=oTool)
the Tool=oTool keyword is not valid

```
IDL> it = itgetcurrent(TOOL=oTool)
% Keyword parameters not allowed in call.
% Execution halted at: $MAIN$
```

using the function without the
argument, it returns

```
IDL> it=itgetcurrent ()
IDL> print, it
/TOOLS/IMAGE TOOL
```

Any suggestions?

Pete
