
Subject: Add and manipulate a visualization to standard Itool

Posted by [kidpix](#) on Thu, 21 Apr 2011 09:19:40 GMT

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Hi everybody,

I digged a lot, but the whole itool/object thing resist to my effort to comprehend...

That's my today problem:

I have a lot of polygons* that I want to plot on a map generated with imap or iimage.

I tested various options, and I achieved to visualize the polygons, but I cannot modify their properties (color, linesize etc) via the itool interface.

Could anybody indicate me how do that?

*The polygons are the field-of-view of a spacececraft spectrometer.

That an example of the code using only one polygon. By the way, I don't know if adding everything in a IDLgrPolyline object is the best way, maybe ROI related object are better.

```
X_roi=[14.494100, 14.494100, 14.508240, 14.508240, 14.494100]
```

```
Y_roi=[35.706317, 35.713842, 35.713842, 35.706317, 35.706317]
```

```
iplot,[min(X_roi),max(X_roi)]#[[0.9,0],[1.1,0]],[min(Y_roi), max(Y_roi)]#[[0.9,0],[1.1,0]],/Scatter
```

```
oPolyl = OBJ_NEW('IDLgrPolyline',X_roi,Y_roi,COLOR=[255,0,0],THICK=2,  
/REGISTER_PROPERTIES) ; - Superclasses : IDLitComponent
```

```
PolyModel = OBJ_NEW('IDLgrModel',/REGISTER_PROPERTIES)  
PolyModel -> Add,oPolyl
```

```
visoROI = OBJ_NEW('IDLitVisPolyline',/REGISTER_PROPERTIES)  
visoROI -> Add,PolyModel,/AGGREGATE
```

```
idTool = ITGETCURRENT(TOOL=oTool) ; - IDLitTool > IDLitToolbase > IDLITTOOLPLOT  
oTool -> IDLITTOOLPLOT::Add, visoROI
```

Thanks!

Subject: Re: Add and manipulate a visualization to standard Itool

Posted by [kidpix](#) on Tue, 17 May 2011 13:40:22 GMT

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Auto-answer: See iTool Programming Manual - IDL Version 7.1, pag 59

" Predefined iTool Data Classes

IDLitDataIDLArray2D

Creates an IDLitData object of whose TYPE property is set to IDLARRAY2D. Used to store a two-dimensional array of any IDL data type."

Solved.
