
Subject: Adding a plot to an itool Image

Posted by [mvukovic](#) on Thu, 05 Feb 2004 21:22:09 GMT

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A few days ago, I faced a problem of adding a plot to an itool Image. Not having found anything on the group, after considerable probing, I managed to do it. Here is the routine, hoping that someone may improve upon it.

Cheers,

Mirko

PS. I'm getting to really like these iTools.

pro AddPlot2IImage, vX, vY

;; Add a plot to a currently active iTool image.

; This first part was gleaned from iPlot startup.

;; Pack data in IDLVector objects. Offset for pixel size (not sure if it

;; works.

oDataX = obj_new('idlitDataIDLVector', vX+0.5, NAME = 'X')

oDataY = obj_new('idlitDataIDLVector', vY+0.5, NAME = 'Y')

;; This data is stored in a ParameterSet object

oParmSet = OBJ_NEW('IDLitParameterSet', \$

NAME = 'Plot parameters', \$

ICON = 'plot', \$

DESCRIPTION = 'Plot parameters')

oParmSet -> add, oDataX, PARAMETER_NAME = 'X'

oParmSet -> add, oDataY, PARAMETER_NAME = 'Y'

; I got this from the iTool Developers Guide, p.99

;; The ParameterSet object is passed to the VisPlot.

oPlot = OBJ_NEW('IDLitVisPlot', /REGISTER_PROPERTIES)

oPlot -> OnDataChangeUpdate, oParmSet, '<Parameter Set>'

;; Finally, add the VisPlot to the ilimage object. Also from

;; Developers Guide, p. 99

oSys = _IDLitSys_GetSystem()

oTool = oSys -> _GetCurrentTool()

oTool -> Add, oPlot, /AGGREGATE

return

end
