

---

Subject: oplot in Object Graphics

Posted by [Miguel Ángel Córdoba](#) on Tue, 11 Nov 2003 14:15:19 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hi,

I'm migrating my applications to Object Graphics and I don't know how to make an oplot.

In direct graphics I execute:

```
PLOT,x,y,xrange=[xmin,xmax],yrange=[ymin,ymax], xstyle=1,ystyle=1, $
xtitle='Xtitle',ytitle='Ytitle',/Nodata,charsize=siz_ch,color=44, XMARGIN=5.,
$
    YMARGIN=3.,FONT=1

    FOR,i=0,n-1 BEGIN
        FOR,j=0,n-1 BEGIN
            OPLOT,x(i,j),y,color=44
        ENDFOR
    ENDFOR

    OPLOT,x(n,n),y,color=70,thick=2
```

Then in Object Graphics:

```
oView = obj_new('IDLgrView')
oModel = obj_new('IDLgrModel')
oPlot = obj_new('IDLgrPlot',x,y,xrange=[xmin,xmax],yrange=[xmin,ymax ])
oPlot->GetProperty, XRANGE = xr, YRANGE = yr
xc = norm_coord(xr)
yc = norm_coord(yr)
xc[0] = xc[0] - 0.5
yc[0] = yc[0] - 0.5
oPlot->SetProperty, XCOORD_CONV = xc, YCOORD_CONV = yc

oXTitle = obj_new('IDLgrText', 'X Title')
oYTitle = obj_new('IDLgrText', 'Y Title')
; Axes
oXAxis0 = obj_new('IDLgrAxis', 0, RANGE = xr, LOCATION = [xr[0],
yr[0]], $
    XCOORD_CONV = xc, YCOORD_CONV = yc, TITLE = oXTitle, $
    COLOR = [255,0,0], /EXACT)
oYAxis0 = obj_new('IDLgrAxis', 1, RANGE = yr, LOCATION = [xr[0],
yr[0]], $
    XCOORD_CONV = xc, YCOORD_CONV = yc, TITLE = oYTitle, $
    COLOR = [0,0,255], /EXACT)

; construct the hierarchy
```

```
oModel->Add, oXAxis0
oModel->Add, oYAxis0
oModel->Add, oPlot
oView->Add, oModel
```

```
; create the destination
sWinfo.wDrawPVR->DRAW,oView
```

Then how can I don't the oplot?  
Can you help me?

Thanks a lot!

--

-----  
Miguel Angel Cordoba

Grup de Recerca Aplicada en Hidrometeorologia (GRAHi-UPC)  
<http://www.grahi.upc.es>  
-----

---