
Subject: Re: oplot in Object Graphics

Posted by [Karl Schultz](#) on Tue, 11 Nov 2003 23:51:10 GMT

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

"Miguel Angel Cordoba" <cordoba@grahi.upc.es> wrote in message
news:3FB0EEF7.8040005@grahi.upc.es...

> Hi,

> I'm migrating my applitations 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

> OPLOTT,x(i,j),y,color=44

> ENDFOR

> ENDFOR

>

> OPLOTT,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, X RANGE = xr, Y RANGE = 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
>

```

You would add something like:

```

    FOR,i=0,n-1 BEGIN
        FOR,j=0,n-1 BEGIN
            oModel->Add,
OBJ_NEW('IDLgrPlot',x(i,j),y,color=[44,0,0])
        ENDFOR
    ENDFOR

    oModel->Add, OBJ_NEW('IDLgrPlot', x(n,n),y,color=[70,0,0],thick=2)

```

```

> ; 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
> -----
>

```
