
Subject: Re: oplot in Object Graphics

Posted by [Miguel Angel Cordoba](#) on Wed, 12 Nov 2003 09:13:29 GMT

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

Thank you Karl,

It works, but I execute this function when the user moves the mouse over one image and It's very slow. Do you know another faster method?. It's

indispensable

to create one object 'IDLgrPlot' in the for statement?

Thank you!.

Karl Schultz wrote:

> "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,colo r=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
>>
>>
>>
>
>
> 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>
>> -----

>>
>>
>>
>
>
>
>

--

Miguel Angel Cordoba <mailto:cordoba@grahi.upc.es>
 TEL. 93 4017371
 <http://campus.uab.es/~2034008>

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