
Subject: Font size and axis range in 'IDLgrAxis' class
Posted by [Rajiv.Paneerselvam](#) on Thu, 21 Aug 2008 12:20:44 GMT
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Dear all,

Here is my problem..

I initialized an 'IDLgrAxis' object with a default title , font and axis range.

I used 'IDLgrFont' and 'IDLgrText' objects for creating font size and title, and I set the range from 1 to 300

I want to change the axis title and range (e.g 300 to 700), of the created IdlgrAxis object.

After setting the new title and new range the font size of the axis title text was changed and elongated along the x direction!.

here is the code..

;Create text and font objects

```
yFont = OBJ_NEW('IDLgrFont', 'Times', SIZE = 8)
ytext = OBJ_NEW('IDLgrText', 'S No', Font = yFont,
Enable_Formatting=1 )
```

;Create axis object and initialize with text and font objects

```
yAxis1 = Obj_New("IDLgrAxis", 1, Ticklen=0.025, Exact=1,$
    Minor=4, Title = ytext, Range = [1,300], Location=[0.15, 1000, 0])
yAxis1->GETPROPERTY, Ticktext=yAxisText,Range=yrange
yAxisText->SETPROPERTY, Font=yFont
```

; Calculate scaling factors.

```
ys = Normalize(yrange,Position =[0.15,0.95])
yAxis1->SetProperty, YCoord_Conv=ys
```

;Then I added all these objects to IdlgrModel,- IdlgrView, references and plotted using 'IdlGrwindow 'reference ,
;these steps are Ok

;Now I changed the title, range of the axis object
ytext->setproperty, STRINGS = 'Temperature'

```
yaxis1->setproperty, Title = ytext, RANGE = [300, 700]
yAxis1->GETPROPERTY, Range = yrange
```

; Calculate scaling factors.

```
ys = Normalize(yrange,Position =[0.15,0.950000])
; Scale the axes into 0->1.
yAxis1->SetProperty, YCoord_Conv=ys
```

; then I plotted using Idlgrwindow reference , but the axis texts look different and elongated in one direction .

Any suggestions to restore the correct font size?.(I don't want to destroy the created axis object and initialize another object with a new axis range)

best regards,

Rajiv
