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Subject: How to change the font size in a legend (iPlot)  
Posted by [Tatcher](#) on Mon, 03 Nov 2008 16:40:45 GMT  
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Hej!

This object oriented graphics driving me mad. Why is it so hard to get good looking graphics in IDL with a little bit of simple functionality like zoom, ...? Why do I need ten lines of code to place a simple text on a plot? ... I am used to Matlab that has a very simple syntax to make plots, legends, annotations, ... but has a powerfull interface like iPlot to zoom, change or annotate the plots.

But enough complaining I have to work and to live with IDL. I hope you can help me. My question:

I use iPlot to plot my data and ixyouts (D. Fanning) to annotate the Plot. The axis fonts (xtickfont=10.0, ytickfont=10.0) and the fonts in ixyouts are set to 10 pt. How do I get "access" to the Legend to change the font also there? How can I apply the following object to my legend?

```
helvetica10pt = OBJ_NEW('IDLgrFont', 'Helvetica', SIZE = 10)
```

It would be great if you could give me a hint and to ease my pain ;)

Kind regards,

Christian

```
iplot,radius,Te_probe_1, $  
    title='Radial profiles of the electron temperature Te in  
' + tokamak_experiment + ' (' + scan_probe + ')', $  
    xtitle='Radius / mm', ytitle='Te / eV', name='Probe 1: shot to  
shot', $  
    sym_index=5, thick=2, color=[255,0,0], insert_legend=[0.0,-0.63 ],  
    dimensions=[800,600], $  
  
    user_interface=show_output, xtickfont_size=10.0, ytickfont_size=10.0,/  
no_saveprompt  
ixyouts,id,scan+' '+scan_probe,[0.48, 0.6, 0.0]  
ixyouts,id,'Electron temperature Te',[-0.48, 0.6, 0.0]  
export_tif,scan_probe+' '+scan+' '+Te',dump_data
```

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