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Subject: Slow object graphics when plotting multiple lines

Posted by [steven.abel](#) on Fri, 01 Apr 2016 12:51:47 GMT

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I am new to object graphics and struggling to speed up a simple plot that contains multiple lines.

Here is an example that plots 200 lines - the object graphics version is very slow compared to the direct graphics version.

```
;create some dummy data
x = replicate(0.,11,200)
y = x
FOR i=0,199 DO x[* ,i] = FINDGEN(11)
FOR i=0,199 DO y[* ,i] = RANDOMN(seed,11)

;plot in direct graphics
plot,[0,10],[-5,5],/nodata,yrange=[-5,5],ystyle=1
FOR i=0,199 DO oplot,x[* ,i],y[* ,i]

;plot in object graphics
w = window()
w.REFRESH, /DISABLE
p = plot([0,10],[-5,5],/nodata,yrange=[-5,5],/current)
FOR i=0,199 DO !NULL=plot(x[* ,i],y[* ,i],/overplot)
w.REFRESH
```

Is there any way to speed this up in object graphics?

Thanks

Steve

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