
Subject: One plot line, different thicknesses
Posted by [Declan Vogt](#) on Mon, 18 Sep 2000 07:00:00 GMT
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I want to plot a data line on a graph, and emphasize a range of the data by thickening the line. I'm having problems because of how the symbols are drawn and was wondering if anyone can help me.

1. Use of max and min leaves a gap in the line:

```
f=findgen(20)
plot, f, /nodata
plot, f, max=10.1
plot, f, min=10.1, thick=2
```

2. If I redraw the thick line over the thin line, I end up with symbol clashes:

```
f=findgen(20)
plot, f, /nodata
plot, f, linestyle=4
plot, f, min=10.1, linestyle=4, thick=2
```

I'm trying to get a line that looks like one continuous line, without gaps and definitely without line symbols changing along the length of the line.

(Oh yes, and I can't use colour)

Any hints?

Declan

Subject: Re: One plot line, different thicknesses
Posted by [Declan Vogt](#) on Tue, 19 Sep 2000 07:00:00 GMT
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> I assume you meant to use oplot, since as Pavel mentions the PLOTs

Sorry, yes I meant oplot.

```
> plot, f, /nodata
> oplot, f
> wh = where(f GT 10.1, ct)
> if ct GT 0 then oplot, wh, f(wh), thick=2
```

This has the same problem that I'm trying to deal with. If you use a different line style (sorry, not symbol style), say:

```
plot,f, linestyle=4  
wh = where(f GT 10.1, ct)  
if ct GT 0 then oplot, wh, f(wh), thick=2, linestyle=4
```

Then the dash-dot-dot-dot sequence of the second line is not exactly laid over the dash-dot-dot-dot sequence of the first line. The result for some of the line patterns is that dash-dot becomes dash-dot-dot, or the thick line has a thin line running through its gaps. That's what I'm trying to overcome.

I can stop the two lines overwriting by plotting the first bit, then the second bit, but then I get an (unacceptable) gap between the two plots.

(Or am I just being too picky?)

Declan
