Subject: Re: One plot line, different thicknesses
Posted by Craig Markwardt on Mon, 18 Sep 2000 07:00:00 GMT
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Declan Vogt <drv102@ohm.york.ac.uk> writes:

> 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

I assume you meant to use oplot, since as Pavel mentions the PLOTs
will just overwrite each other. I think this is a job for WHERE():

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

This sequence plots the entire line with thin, and then overwrites
only a portion with thick. This practice guarantees no gaps.

Craig

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Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response

Subject: Re: One plot line, different thicknesses
Posted by promashkin on Mon, 18 Sep 2000 07:00:00 GMT
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What is "symbol clashes"? I see no symbols used at all in the example
provided. I noticed nothing funny in how the provided examples work,
except that the last command needs to be Oplot:

```
plot, f
oplot, f, min=10.1, thick=2
```

Produces what's needed, a thin line overplotted with a thick one.

I also fail to see the reason for "plot, f, /nodata", as the very next line replaces this first one anyway.
Cheers,
Pavel