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Subject: Re: IDLgrPlot Axis scaling bug?

Posted by [David Fanning](#) on Fri, 01 Dec 2006 14:32:45 GMT

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Laurens writes:

> in the above example, i want to follow the cursor with a red cross,  
> visible by lines drawn all over the plot (one horizontal, one vertical).  
> I managed to do this by adding two IDLgrPolyline objects to the model,  
> I've already fetched any movement of the cursor, but somehow - and it  
> makes me think it has to do with that resizing / scaling again - the  
> positions of the lines don't match the position of the cursor :(

>

> Screenshot:

>

> <http://sophorus.mine.nu/IDLgrPolyline.jpg>

>

> Code:

>

> self.xLine = Obj\_New('IDLgrPolyline')

> self.yLine = Obj\_New('IDLgrPolyline')

> self.Model->Add, self.xLine

> self.Model->Add, self.yLine

> self.xAxis->GetProperty, CRange=xrange

> self.yAxis->GetProperty, CRange=yrange

>

> xs = Normalize(xrange)

> ys = Normalize(yrange)

>

> self.xLine->SetProperty, XCoord\_Conv=xs

> self.yLine->SetProperty, YCoord\_Conv=ys

Isn't this backwards? Don't you want this:

```
self.xLine->SetProperty, YCoord_Conv=ys
```

```
self.yLine->SetProperty, XCoord_Conv=xs
```

I'd probably scale both lines in BOTH directions. Why not?

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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