
Subject: pwwave plots
Posted by [Pearson J E](#) on Mon, 28 Aug 1995 07:00:00 GMT
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I have a graph with two plots on it and I am trying to get the right hand y-axis to represent the second line on the graph, as this one uses different units to the first. Is it something to do with the axis command?

Please HELP!!

Thanks

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Mail--jpear@essex.ac.uk	- Hobbes, from Calvin and Hobbes fame	

Subject: Re: pwwave plots
Posted by [thompson](#) on Mon, 28 Aug 1995 07:00:00 GMT
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Pearson J E <jpear@essex.ac.uk> writes:

> I have a graph with two plots on it and I am trying to get the right hand
> y-axis
> to represent the second line on the graph, as this one uses different units to
> the first. Is it something to do with the axis command?

Yes. I think what you want to do is something like the following:

1. Plot the first graph with the keyword YSTYLE=4 to suppress the left and right axes.
2. Use the command AXIS,YAXIS=0 to show the left axis.
3. Plot the second graph with the keywords XSTYLE=4,YSTYLE=4,/NOERASE. This presumes that the X points in both cases are the same.
4. Use the command AXIS,YAXIS=1 to show the right axis.

For example, suppose that I have two quantities Y1 and Y2 which are both measured at positions X. I could use the following commands to display them:

```
PLOT,X,Y1,YSTYLE=4  
AXIS,YAXIS=0
```

```
PLOT,X,Y2,XSTYLE=4,YSTYLE=4,/NOERASE  
AXIS,YAXIS=1
```

Bill Thompson
