
Subject: Re: PLOT question

Posted by [Dave Greenwood](#) on Wed, 20 Dec 2000 18:32:54 GMT

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Stuart Colley <src@star.ucl.ac.uk> wrote:

>
> I have some data that is periodic, $y=f(t)$ and the data is plotted as
> plot, t, y The problem is I'd like t to plot phase angle rather than
> time, the problem being the phase angle is between 0 and 1 and repeats.
> Attempting to plot the data you just get a plot between 0 and 1, what I'd
> like to be able to plot is each cycle of the data with it's phase angle.
>
> Any ideas on how to get the plot axes right?

If I understand your question correctly and assuming that the phase angle is a function of t, something like the following might work:

```
FUNCTION PHASE_ANGLE, axis, index, t  
  RETURN, STRING(phase angle at time t)  
END
```

..

```
PLOT, T, Y, XTICKFORMAT='PHASE_ANGLE'
```

Dave

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%STD-W-DISCLAIMER, I only speak for myself
