Subject: Re: Trig plots auto-shifted (?)
Posted by David Fanning on Fri, 03 Aug 2012 02:27:27 GMT
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A J writes:

```
> Anyone know why IDL plots trig functions of negative numbers as
  shifted to the positive?
> Example:
>
> x = -1. * dindgen(100)
y = \sin(x)
> plot, y, xrange=[-100,100]
> plots the correct sine function, but over the xrange of [0,100] even
> though the input xvalues are all negative. I know I could shift it
> back, but I want to know why it is doing this. Any thoughts?
Because if you only plot the dependent data, it
creates the independent data like this:
 indep = Indgen(N_Elements(y))
I think IDL has done that since the beginning of time. :-)
Cheers,
David
```

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/

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

Subject: Re: Trig plots auto-shifted (?)
Posted by A J on Fri, 03 Aug 2012 03:29:38 GMT
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On 3 Aug, 12:27, David Fanning <n...@idlcoyote.com> wrote:
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```

Yeah I figured that out jsut after I posted. Tried to remove the post, but, damn, someone saw it first!