
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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>
> 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.")
```

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