Subject: cgPlot equivalent to graphic = PLOT(Equation,... ?
Posted by Jonas Ardo on Fri, 20 Feb 2015 08:52:09 GMT
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Hi

Is there a cgPlot equivalent to:

graphic = PLOT(Equation, [Format] [, Keywords=value] [, Properties=value])

I.e. how do I formulate
IDL> p = PLOT('X * 20 -1.', XRANGE=[0,1])

using cgPlot?

Regards

/Jonas

Subject: Re: cgPlot equivalent to graphic = PLOT(Equation,... ?
Posted by Fabzi on Fri, 20 Feb 2015 12:52:10 GMT
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On 20.02.2015 09:52, Jonas Ardo wrote:
> I.e. how do I formulate
> IDL> p = PLOT('X * 20 -1.', XRANGE=[0,1])
>
> using cgPlot?

cgPlot, FINDGEN(101)/100 * 20 - 1

Cheers,

Fabien

Subject: Re: cgPlot equivalent to graphic = PLOT(Equation,... ?
Posted by chris_torrence@NOSPAM on Fri, 20 Feb 2015 15:29:08 GMT
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On Friday, February 20, 2015 at 5:52:14 AM UTC-7, Fabien wrote:
> On 20.02.2015 09:52, Jonas Ardo wrote:
>> I.e. how do I formulate
>> IDL> p = PLOT('X * 20 -1.', XRANGE=[0,1])
>>

>> using cgPlot?
>
> cgPlot, FINDGEN(101)/100 * 20 - 1
>
> Cheers,
>
> Fabien

But this won't give you the fancy equation feature. You won't be able to zoom or pan around in the plot and have it automatically update. To do this with "cg" you would need to have some sort of event handler, and then manually update the data or something.

Advantage, new graphics. ;-)

-Chris

Subject: Re: cgPlot equivalent to graphic = PLOT(Equation,... ?
Posted by David Fanning on Fri, 20 Feb 2015 15:34:01 GMT
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Chris Torrence writes:

> But this won't give you the fancy equation feature. You won't be able to zoom or pan around in the plot and have it automatically update. To do this with "cg" you would need to have some sort of event handler, and then manually update the data or something.
>
> Advantage, new graphics. ;-)

If you want to zoom or pan around, you have to use cgZPlot:

```
cgZPlot, FINDGEN(101)/100 * 20 - 1
```

No doubt, you could figure out how to override the event handing there.
:-)

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: cgPlot equivalent to graphic = PLOT(Equation,... ?
Posted by Paul Van Delst[1] on Fri, 20 Feb 2015 15:59:09 GMT
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On 02/20/15 10:34, David Fanning wrote:
> Chris Torrence writes:
>
>> But this won't give you the fancy equation feature. You won't be
>> able to zoom or pan around in the plot and have it automatically
>> update. To do this with "cg" you would need to have some sort of
>> event handler, and then manually update the data or something.
>>
>> Advantage, new graphics. ;-)
>
> If you want to zoom or pan around, you have to use cgZPlot:
>
> cgZPlot, FINDGEN(101)/100 * 20 - 1
>
> No doubt, you could figure out how to override the event handing
> there. :-)

Oooo..... I think that qualifies as "deuce".

Ha ha! :o)

cheers,

paulv

Subject: Re: cgPlot equivalent to graphic = PLOT(Equation,... ?
Posted by chris_torrence@NOSPAM on Fri, 20 Feb 2015 19:33:43 GMT
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On Friday, February 20, 2015 at 8:59:13 AM UTC-7, Paul van Delst wrote:
> On 02/20/15 10:34, David Fanning wrote:
>> Chris Torrence writes:
>>
>>> But this won't give you the fancy equation feature. You won't be
>>> able to zoom or pan around in the plot and have it automatically
>>> update. To do this with "cg" you would need to have some sort of
>>> event handler, and then manually update the data or something.
>>>
>>> Advantage, new graphics. ;-)
>>
>> If you want to zoom or pan around, you have to use cgZPlot:
>>
>> cgZPlot, FINDGEN(101)/100 * 20 - 1

>>
>> No doubt, you could figure out how to override the event handing
>> there. :-)
>
> Oooo..... I think that qualifies as "deuce".
>
> Ha ha! :o)
>
> cheers,
>
> paulv

Yes, but we all LOVE IDL.
-C

Subject: Re: cgPlot equivalent to graphic = PLOT(Equation,... ?
Posted by Paul Van Delst[1] on Fri, 20 Feb 2015 19:49:16 GMT
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On 02/20/15 14:33, Chris Torrence wrote:
> On Friday, February 20, 2015 at 8:59:13 AM UTC-7, Paul van Delst wrote:
>> On 02/20/15 10:34, David Fanning wrote:
>>> Chris Torrence writes:
>>>
>>>> But this won't give you the fancy equation feature. You won't be
>>>> able to zoom or pan around in the plot and have it automatically
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>>> No doubt, you could figure out how to override the event handing
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>>
>> Oooo..... I think that qualifies as "deuce".
>>
>> Ha ha! :o)
>>
>> cheers,
>>
>> paulv
>
> Yes, but we all LOVE IDL.

I know, I know.

:o)