Subject: Try this
Posted by Ray Sterner on Tue, 22 Sep 1998 07:00:00 GMT
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Try this:

```
x=dindgen(1000)/999.*20.
for f=0.,10.,.02 do begin plot,/xstyl,x+f*1D6,sin(x) & empty & endfor
```

Ray Sterner sterner@tesla.jhuapl.edu
The Johns Hopkins University North latitude 39.16 degrees.
Applied Physics Laboratory West longitude 76.90 degrees.
Laurel, MD 20723-6099

Subject: Re: Try this
Posted by R. Bauer on Fri, 25 Sep 1998 07:00:00 GMT
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Ray Sterner wrote:

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Very nice Ray,

This is a very good example to show the impossibility of plot with double.

I know from your jsplot how to get around of this problem.

The description of plot should be taken seriously.

regards
Reimar

Calling Sequence

PLOT, [X,] Y

Arguments

X
A vector argument. If X is not specified, Y is plotted as a function of point number (starting at zero). If both arguments are provided, Y is plotted as a function of X.

This argument is converted to single-precision floating-point before plotting. Plots created with PLOT are limited to the range and precision of single-precision floating-point values.

--
R.Bauer

Institut fuer Stratosphaerische Chemie (ICG-1)
Forschungszentrum Juelich
email: R.Bauer@fz-juelich.de

Subject: Re: Try this
Posted by mgs on Wed, 30 Sep 1998 07:00:00 GMT
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In article <bowman-3009981916340001@chinook.tamu.edu>, bowman@null.tamu (Kenneth P. Bowman) wrote:

> In article <6uamdhgid1@reznor.larc.nasa.gov>, "Joe"
> <Post.Reply@This.News.Group> wrote:
>
>> The
>> !x and !y structures are not double precision in their .range (and
>> other related) fields so it won't matter. This has to be done for
>> speed reasons since to make them double would force all plots
>> to use double precision calculations along with the attendant
>> decrease in computational rate.
>
> Many, if not most, modern Unix workstations have 64-bit floating point
> units and do double precision arithmetic as fast or faster than single
> precision.
>
> Ken Bowman

Which makes me wonder what the majority of IDL and PV-WAVE licenses run on. I suspect the majority are PC's. I assume RSI and VNI are not in the habit of releasing these kind of numbers, though.

--

Mike Schienle Interactive Visuals
mgs@ivsoftware.com http://www.ivsoftware.com

Subject: Re: Try this
Posted by bowman on Wed, 30 Sep 1998 07:00:00 GMT
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In article <6uamdhgid1@reznor.larc.nasa.gov>, "Joe"
<Post.Reply@This.News.Group> wrote:

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Ken Bowman

--

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