Subject: Re: A problem using IDL?
Posted by Vince Hradil on Thu, 01 May 2008 15:41:16 GMT
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On May 1, 9:49 am, pgri...@gmail.com wrote:
> If you want a meaningful plot of a sinusoidal function,
> you should make sure that you have enough data
> points (say, at least 10) in each cycle (period) of the function.
> If this condition is not fulfilled, the plot will look strange.
>
> Cheers,
> Paolochih...@sohu.com wrote:
>> I used idl to write the following:
>
>> window,xsize=800,ysize=400
>> min=0
>> max=100
>> n=200
>> x=fltarr(n+1)
>> for i=0,n do x[i]=min+double(i)*(max-min)/n
>> print,x
>> y=sin(2*3.141593*x)
>> plot,x,y
>
>> When n=100 or n=200,the graph is wrong. When n >=300,it's OK.Can
>> someone tell me why?

Also, combined with: http://www.dfanning.com/math_tips/sky_is_falling.html