
Subject: Re: A problem using IDL?

Posted by [pgrigis](#) on Thu, 01 May 2008 14:49:05 GMT

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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,
Paolo

chih...@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?
