Subject: Re: correct way to use INTERPOLATE function Posted by David Fanning on Fri, 21 Sep 2007 20:49:19 GMT

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pgrigis@gmail.com writes:

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> For that purpose, you can also use INTERPOL (rather than INTERPOLATE).
> Here's an example:
> x=findgen(6)/5
> y=[0.,2,2,5,6,10]
> :first data set
> plot,x,y,psym=-6
> x2=findgen(100)/100
> z=interpol(v,x,x2)
> ;the z array is interpolated linearly from the point in y
> oplot,x2,z,psym=-4
> Is that waht you are trying to do?
Ah, interesting. After some playing around with CONGRID
keywords, I discovered that this interpolation method
is virtually identical to this:
 nelem = N Elements(x2)
 OPLOT, x2, CONGRID(y, nelem, /INTERP, /MINUS ONE)
Could be an interesting article in here somewhere. :-)
Cheers,
David
David Fanning, Ph.D.
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Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")
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