
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:

```
> 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(y,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

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Sepore ma de ni thui. ("Perhaps thou speakest truth.")
