Subject: Re: IDL QUESTIONS (INTERPOLATION)
Posted by Jeremy Bailin on Mon, 21 Nov 2011 16:13:19 GMT
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On 11/21/11 8:59 AM, zolile mtumela wrote:
> Hi all,
> I have interpolated some data, which I think I did well, the data
> looks like this
>  time (s) velocity
>  24785555 -8.90000
>  24785675 -6.90000
>  24785795 -5.00000
>  24785915 -15.4000
>  24786035 -1.80000
>  24786155 21.5000
>  24786275 -2.70000
>  24786395 1326.90
>  24786515 0.100000
>  24786635 69.6000
>  24786755 -624.900
>  24786875 263.700
>  24786995 30.3000
>  24787115 157.000
>  24787235 488.300
>  24787355 25.6000
>  24787475 40.6000
>  24787595 32.5000
>  24787715 21.2000
>  24787835 13.6000
>  24787955 92.4000
>  24788075 37.0000
>  24788195 7.50000
>  24788315 4.80000
>  24788435 8.30000
>  24788555 43.4000
>  24788675 26.2000
>  24788795 36.7000
>  24788915 17.6000
>  24789035 -39.2000
>  24789155 -76.5000
>  24789275 -31.7000
>  24789395 -31.3000
>  24789515 -20.0000
>  24789635 1.10000
> I want to create time axis in hours, I need help on time convetion, I
> wrote a program like this
> File = Dialog_pickfile(Filter = '*.txt')
>

> ;read the data
> rows = File_lines(file)
> data = Fltarr(2,rows)
> openr,Lun,file,/Get_lun
> ReadF,lun, data
> b =floor(min(data[0,*])); start time
> e = ceil(max(data[0,*])); end time
> x = Scale_vector(Findgen(e-b+1),b,e)
> y = interpol(data[1,*], data[0,*],x); interpolating data
> ;draw the plots
> plot,data[0,*],data[1,*],linestyle=2 ; for original data
> oplot,x,y,color=120 ; newly interpolated velocity data
>
> end
> I want to covert that time in two hour in the plot.
>
> Thank you in advance for ur time
> Zolile
>
>
>
>

Divide by 3600.0?

-Jeremy.

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