
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 conversion, 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.
