Subject: Re: IDL QUESTIONS(time convection)
Posted by zolile mtumela on Tue, 29 Nov 2011 17:49:52 GMT
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On Nov 29, 7:44 pm, David Fanning <n...@dfanning.com> wrote:
> zolile mtumela writes:
>> The aims of these plots are find the spetral peaks. Now I can't read
>> the spectrum. It is important for me do sampling rate of 120 seconds.
>> Lack of understanding is killing me.
>> I need help and suggestions about solving this problem.
>
> Well, I don't know. This code seems to do what you want
> to do, with the data you provided this morning.
>
> !p.multi=[0,1,2]
> Result = interpol(vel,time,U)
> cgplot, (time-time[0])/3600., vel, $
> linestyle = 2, xtitle='Hours'
> cgplot, (u-u[0])/3600., result, /overplot, $
> psym=2, color='red'
> N = n_elements(result)
> print, N
> T = 120
> Spec = fft(result)
> freq_axis =findgen(N)/(N*T)
> cgplot, freq_axis[0:N/2],abs(spec[0:N/2]), $
> xrange =[0.001,0.005], xstyle=1
> !p.multi=0
> end
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:http://www.idlcoyote.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Thank you so David