Subject: Re: How to perform the 1-D signal filter?
Posted by duxiyu@gmail.com on Sat, 02 Feb 2008 15:20:22 GMT
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> In article
> < e9b5822c-2240-4937-ad85-a53f057d9...@p69g2000hsa.googlegroup s.com >,
>
>
>
> "dux...@gmail.com" <dux...@gmail.com> wrote:
>> Dear all,
>
>> Here I give a signal example and hope somone can show me how to
>> perferm the frequency filter on it.
>
>> ;creat a signal data with two peaks in frequency domain at 2 and 3 Hz.
>> t=findgen(1000)/10.
>> data=sin(2*!pi*2*t)+sin(2*!pi*3*t)
>
>> freq=findgen(501)/100.
>> v=fft(data)
>> plot,freq,abs(v[0:500])^2,xtitle='frequency',ytitle='spectru m'
>
>> I want to filter the signal with the frequency higher than 2.5 Hz. How
>> do I do this?
>
>> I have read the help files about Digital_Filter and Convol, but I do
>> not know how to select the parameters for Signal_Filter.
>
>> Du
>
> You could look at the chapter on FFTs and digital filtering in my IDL
> book (http://idl.tamu.edu). I wrote the chapter in part so that *I*
> could refer to it whenever I need to do a digital filter. :-)
>
> Ken Bowman

It is a pity that I cannot buy your book in my country.

Du