
Subject: How to perform the 1-D signal filter?

Posted by duxiyu@gmail.com on Fri, 01 Feb 2008 10:20:52 GMT

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Dear all,

Here I give a signal example and hope someone can show me how to perform 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 Convolve, but I do not know how to select the parameters for Signal_Filter.

Du
