Subject: FFT and CONVOL Posted by Isabelle Banville on Wed, 03 Jun 1998 07:00:00 GMT View Forum Message <> Reply to Message

So I have had enough for today... Can someone help?

This is probably an easy fix, but I just can't see anymore.

I have data in a 3D array. I want to apply a digital filter on 1D (any dimension).

WAVE> filter\_param=DIGITAL\_FILTER(0.0,1.0,50,10)
WAVE> filtered\_signal=CONVOL(data(\*,0,0),filter\_param)
WAVE> PLOT,data(\*,0,0)
WAVE> PLOT,filtered\_signal(\*,0,0)

So this works fine, but as you notice, flow is set at 0 and fhigh is set at 1.

As soon as I change either one of these values (even a hair, 0.001) there is no more signal. I refuse to believe that my signal can not tolerate any filter!

data is an INTARR. I have tried converting to floats with no change.

All I am trying to do is get rid of some high frequency noise. This should be the simplest thing, should'nt it?

I appreciate your help.

Isa