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Subject: FFT and CONVOL

Posted by [Isabelle Banville](#) on Wed, 03 Jun 1998 07:00:00 GMT

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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, shouldn't it?

I appreciate your help.

Isa

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