
Subject: Re: kaiser-bessel filter

Posted by [K. Bowman](#) on Wed, 24 Nov 2004 15:39:45 GMT

[View Forum Message](#) <> [Reply to Message](#)

In article <41A488E4.1030306@domain.invalid>,
maarten <user@domain.invalid> wrote:

> Hello,

>

> I am trying to creaste a highpass filter, and would like to use a
> kaiser-bessel filter to do so. In matlab there is a whole bunch of
> filters included, to my knowledge this is not the case in IDL. Does
> anyone know if there is an easy way to implement these kind of filters
> (and others).

>

> Thanks..

>

CONVOL is probably what you want to apply the filter, but you will have
to compute the filter coefficients yourself.

If you do not have missing data, I'm a fan of filtering in the frequency
domain using FFTs. That approach allows you to precisely and simply
specify the frequency-response of the filter.

I recently wrote a simple program for my students that demonstrates
filtering in the time and frequency domains using FFT (and also to
demonstrate why running-mean filters (as in SMOOTH) are poor choices).
If you want a copy, e-mail me at k-bowmanATtamuDOTedu (AT = @, DOT = .).

Ken Bowman
