
Subject: Re: signal processing package for IDL
Posted by [dmatthews](#) on Sun, 26 Jul 1992 20:10:52 GMT
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In article <1992Jul25.142350.26849@afterlife.ncsc.mil>, dpkemp@afterlife.ncsc.mil (David P. Kemp) writes:

> In article <ghsu.711219193@critical> ghsu@critical.nswc.navy.mil () writes:

>> I am interested in finding procedures for signal processing (design of
>> filters, filtering, etc), similar to the signal processing toolbox for
>> matlab), for IDL. Is there something like that in existence? Is
>> there such package available for pvwave? Any pointer will be
>> appreciated.

>>

> Don't get your hopes up. Filter design is probably best done by
> a specialized application (there are lots of them), but it would be
> nice to do the actual filtering in PV-wave.

...

If you don't have to do your filtering in real time, do it in the
frequency domain, i.e. take the Fourier transform of the data,
multiply the result by the desired transfer function, and transform
that result back to the time domain. It's faster and easier to understand
than filtering in the time domain directly.

Dr. David L. Matthews, IPST, Univ. of Maryland, College Park MD 20742-2431
Telephone (301)405-4830 Internet dmatthews@uap.umd.edu
FAX (301)314-9363 NSI/SPAN UMDUAP::DMATTHEWS
