Subject: Re: IDL code for multi-dimensional FFT analysis Posted by wmc on Tue, 30 Jun 1998 07:00:00 GMT

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Charlotte DeMott <demott@summit.atmos.colostate.edu> writes:

- > I know I've seen this question asked before, so hopefully
- > someone can point me in the right direction.

>

- > Does anyone know of or have code to perform
- > multi-dimensional FFT analysis on time series data? In my
- > case, I would like to do a space-time analysis of upper
- > tropospheric winds to determine the distribution of variance
- > for both eastward and westward propagating waves.

>

> Thanks for any suggestions and/or pointers.

I have recently written some stuff to do this. See: http://www.nbs.ac.uk/public/icd/wmc/idl/

(this wasn't the answer published earlier!)

My stuff is was written with time-longitude in mind so might prove useful.

It isn't difficult - fft does it all for you - but figuring out which bits of the output mean what needs some wrapping up, which is what my pro's do. Possibly even correctly...

- William

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