Subject: Re: Two dimensional fast fourier transforms Posted by peter on Mon, 09 Dec 1996 08:00:00 GMT

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Ewan A. Macpherson (Macpherson@Waisman.Wisc.Edu) wrote:

- : W.K. Wells wrote:
- : > I am looking for routines for two dimensional fft's written for the
- : > IDL environment. Any help along these line would be greatly > appreciated.
- : I don't know whether this method will be too slow for your purposes, but
- : a 2D FFT can be performed on an array in the following way:
- : replace the data in each of the N rows with their M-point, 1D FFT
- : then replace the resulting columns with N-point, 1D FFTs
- : that's it

Or even easier, use the FFT function to do a 2D FFT.

$$Y = FFT(X,1)$$

Peter