
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
