
Subject: Re: Two dimensional fast fourier transforms
Posted by [Ewan A. Macpherson](#) on Sun, 08 Dec 1996 08:00:00 GMT
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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

--

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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:

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

Y = FFT(X,1)

Peter
