Subject: Re: looking for 2D FFT code?

Posted by jyli on Fri, 20 Dec 1996 08:00:00 GMT

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William Ryu (wsryu@fas2.fas.harvard.edu) wrote:

- : While it isn't obvious from the help file, IDL's fft() function will
- : do multi-dimensional ffts ("The result returned by FFT is a complex
- : array that has the same dimensions as the input array.").

With the help of RSI engineers, I think I have found the answer to my problem.

In the beginning, I fed a test image into FFT and the resulting power spectrum was not what I expected. Well now I know it is because the way IDL stores positive and negative frequency components in the FFT complex arrays, one needs to do a shift operation before displaying the spectrum. And now Page 1-280 in the IDL reference manual seems to make a lot sense.

Thanks for those who have responded.

happy holidays and happy IDL programming!

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Beauty of style, harmony, grace and good rhythm depend on simplicity.