
Subject: Re: FFT transforms for images
Posted by [davidf](#) on Tue, 31 Mar 1998 08:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

Michael A. Wirth (Michael.Wirth@cse.rmit.edu.au) writes:

- > I'd like to do some processing using a FFT transform. Basically all I
- > want to do is calculate the FFT
- > of an image, histogram equalize the power spectrum and then inverse the
- > FFT, producing what is in
- > effect an attenuated version of my image. I assume the built-in FFT
- > routine in 1D... does anybody have
- > any suggestions short of writing a 2D FFT.

I've found from painful personal experience that it is usually safer to read the documentation than to make an assumption about how IDL does or does not work. :-)

In this case, although the FFT documentation inexplicably does not say *specifically* that it works with 2D arrays, it does say that the output array "has the same dimensions as the input array." I take this to mean that it is safe to process images with the FFT function. In fact, you can find information on my web page about how to create frequency filters and image power spectrums using the FFT function.

Cheers,

David

David Fanning, Ph.D.
Fanning Software Consulting
E-Mail: davidf@dfanning.com
Phone: 970-221-0438
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
