Subject: 2D FFT Slow. Any ideas?
Posted by Brian on Fri, 05 Dec 2003 08:57:03 GMT

I did a little benchmark between IDL and MATLAB. In each case I created a random double precision complex array of size 2048 by 2048 and timed how long the 2D FFT took. In MATLAB 6.5 it took about 3.5 sec, and in IDL, it took about 10 sec. Is there a way to have IDL use MATLAB for the FFT, perhaps using activex? Or would the overhead in using activex defeat the purpose?

thanks,

brian

Subject: Re: 2D FFT Slow. Any ideas?
Posted by R.G. Stockwell on Mon, 08 Dec 2003 21:02:19 GMT

Hey, came across this message,
 http://www.mathworks.com/company/newsletter/clevescorner/win ter01_cleve.shtml
seems matlab 6 incorporates fftw.
Perhaps that explains the difference in time between idl and matlab

Note: if anyone wants a windows binary of fftw (dll), it is available from
the
fftw website. http://www.fftw.org/

Cheers,
bob