
Subject: Re: 2D FFT Slow. Any ideas?

Posted by [R.G. Stockwell](#) on Fri, 05 Dec 2003 18:04:40 GMT

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"Brian" <brian.huether@NOdlrSPAM.de> wrote in message
news:a298a85e9af4e70d51199dcae50c4c81@news.teranews.com...

> 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

>

>

You could try calling an external routine, some of the best being available
at (fastest ft in the west)

<http://fftw.org/>

Cheers,
bob

PS I can't believe active x calls would improve speed, but hey, you never
know.

And, I'm surprised that the canned IDL is not very fast. Any chance you
don't really
have a 2048^2 array in idl (did you make a 2049^2 array for instance?)

If you post a blip of example code, I can run them here (matlab and idl) and
verify the time difference,
which would be very interesting.
