
Subject: FFT on a huge array

Posted by [Luca Bertello](#) on Wed, 16 Jan 2002 20:52:41 GMT

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Dear all,

I have a huge file containing a 3-D array (series of images) and I have to perform a

FFT on this array. Unfortunately, due to the limited resources of my system,

I cannot simply allocate the full array (say

`a=fltarr(npt_x,npt_y,npt_t)`) in memory and then

calculate FFT(a). Does anyone know an efficient way to solve this problem on

IDL? A 3-D FFT can of course be computed either as three 1-D FFTs or a 2-D FFT and 1-D FFT, but I'm having some trouble with the I/O. Please forward

you answers to my email address as well, since I don't have to many opportunities to

read this newsgroup.

Thanks in advance,

Luca

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