
Subject: Dealing with Large data arrays, reducing memory and ASSOC

Posted by [Ambrosia_Everlovely](#) on Thu, 14 Jun 2007 12:33:53 GMT

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Hi,

I have a fairly large datacube, $DC(x,y,t)=DC(512,512,2048)$ and I want to perform an FFT in the t direction. Now I can do, `FFTDG=fft(DC,-1,dim=3)` which takes an excessive amount of memory (19 G + 50 G virtual) and slows the whole system down.

Since this must be a fairly common practice amongst astronomers, can anyone provide - or link to - a small IDL algorithm which will allow me to use ASSOC or reduce the memory in some way? I have also tried TEMPORARY, but this doesn't seem to help at all.

Thankyou!!!!
