Subject: Re: Doing a DFT in IDL Posted by Helder Marchetto on Tue, 03 Apr 2012 09:23:28 GMT View Forum Message <> Reply to Message

On Monday, April 2, 2012 11:24:15 PM UTC+2, Kenneth P. Bowman wrote:

- >> Dear all,
- >> I've been looking for this around, but couldn't yet find anything.
- >> I would like to made a (discrete) Fourier transform by directly typing in the
- >> code. The target is not performance, but eventually modifying the source
- >> (integrated) function from [f(x)exp(-j2piux/N)] to something different.
- >> Has anybody written such a code in IDL that can be modified? Or can anybody
- >> give me a working link to such a code?

>>

- >> Many thanks and sorry for wasting your time.
- >> Cheers, Helder

>

- > A DFT is just a set of dot products. (And an FFT is an efficient way to
- carry out the DFT calculations.)

>

- > Compute the basis functions that you want at the tabulated points,
- > then multiply by the function you are transforming and sum.
- > You can write it as a matrix-vector multiplication.

> Ken Bowman

Dear Ken.

thanks for your reply. I think I will have to write it, but to avoid beginners errors, I wanted to modify an available code. That's all.

Cheers, Helder