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Subject: FFT help

Posted by [IDLmastertobe](#) on Fri, 05 Nov 2004 06:05:51 GMT

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Hey, I am experiencing problem using fft function. Since FFT function provides the fourier transform of a certain input, for example,  $8 \cdot \cos(\pi x/6)$ , I would expect an amplitude of 4 at 2 shifted frequencies, namely  $-\pi/6$  and  $\pi/6$ . However after I recieved data from the FFT, I recieved some amplitudes close to 2 at some random locations, can anyone explain to me why it happened? Thanks for your time.

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Subject: Re: FFT help

Posted by [IDLmastertobe](#) on Thu, 11 Nov 2004 04:47:24 GMT

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Thanks a lot guys. It was really helpful and I appreciate your time.

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