Subject: Re: n-point FFT
Posted by tandp on Tue, 21 Nov 2000 08:00:00 GMT
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In article <onzoit8fai.fsf@cow.physics.wisc.edu>,
craigmnet@cow.physics.wisc.edu wrote:

> Jean Marc Delvit <delvit@onecert.fr> writes:
>>
>> I wants to know how to do a n-point FFT with IDL
>> the same of FFT(X,n) in matlab (if the length of X is less than n, X is
>> padded with trailing zeros to length n)
>
> ... and if you read the documentation, you will find that the IDL
> routine FFT will work on an array of any size. It's very easy to
> do any needed zero-padding yourself (ie, fft([x, fltarr(nzeros)]) ).
>
> Craig

It should also be noted that IDL 5.4 implements a mixed-radix FFT. Time series of length equal to a power of 2 are no longer a prerequisite for performance. This eases the need for zero-padding and improves the accuracy of time series that can conform to the radices (radiches?) used.

Mike