
Subject: Re: IDL FFT (spec -> interferogram)
Posted by [Paul van Delst](#) on Thu, 04 Apr 2002 17:03:02 GMT
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Randall Skelton wrote:

>
> Hi all,
>
> Having read through all of the FFT posts that google groups keeps, I am no
> closer to understanding why I am unable to transform a spectrum into an
> interferogram using IDL. All of the data files, procedures, and pictures
> of this are at <http://tulip.atm.ox.ac.uk/~rhskelto/fft-help/>

all your spec data is zero.

>
> The result 'idl_igm' contains twice the number of points (minus 2)
> because of the required reflection about the Nyquist frequency.
> Moreover, the result appears to be modulated (almost like a frequency
> chirp)?

This looks like the correct result to me - i.e. an interferogram of a spectrum. Do you want the envelope of this?

paulv

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