
Subject: Re: nonuniform FFT

Posted by [James Kuyper](#) on Mon, 07 Apr 2003 14:10:31 GMT

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"M. Katz" wrote:

>

> b_gom@hotmail.com (Brad Gom) wrote in message

>> has anyone out there implemented a FFT routine that handles

>> nonuniformly gridded samples?

>

> If your samples aren't uniformly gridded, I'm not sure how you're

> going to get an "FFT" to work. ...

One popular technique I've seen is to take a non-uniform set of data, and interpolate it using cubic splines to a uniformly spaced set of points. Then an FFT is done on that. You lose some time and accuracy as a result of doing the interpolation, but it's far faster than slow FFT, and accurate enough for many purposes.
