
Subject: Re: Optimal interpolation

Posted by [Robert Stockwell](#) on Wed, 28 Aug 2002 20:47:22 GMT

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Paul van Delst wrote:

> GB Karas wrote:

>

>> sinc interpolation relies on the following interpolating kernel:

>>

>> $\text{sinc}(x) = \sin(x)/x$

>

>

> Why don't you use FFT's to do the interpolation then? You know, FFT the curve in question, zerofill

> (or truncate) the result and FFT back?

If you check out a digital signal processing book on upsampling or downsampling (or perhaps multirate sampling) you'll see that it can be the way to go in some cases.
(oppenheimer and schaffer frinstance)

Cheers,

bob
