Subject: Re: Inverse CWT
Posted by Chris[2] on Wed, 20 Apr 2005 19:30:18 GMT
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Hi Marc,

There are two approaches you can take. Since the wavelet transform is just a convolution, you can use a deconvolution (or the inverse FFT if you are doing this via FFT). However, an even simpler approach is to just sum the real part (if complex) of the wavelet transform over all scales, and apply an appropriate scaling factor. The scaling factor depends upon the scale, the time sampling, and your wavelet function.

For details, I would recommend looking at Torrence and Compo, 1998: A Practical Guide to Wavelet Analysis, available at http://paos.colorado.edu/research/wavelets/

Hope this helps.

-Chris
Research Systems, Inc.

"m_schellens" <mschellens@gmail.com> wrote in message
news:1113989088.320194.139730@l41g2000cwc.googlegroups.com.. .
> Does somebody know how to calculate the inverse continuous wavelet
> tansform
> in IDL?
> Thanks,
> marc
>