Subject: Re: wavelet
Posted by Wayne Landsman on Wed, 04 Apr 2001 03:34:38 GMT
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JMD wrote:

> Hi,
>
> I want to use wavelet on IDL without IDL wavelet toolbox.
>
> Where can I find a free IDL wavelet toolbox?
>

Um, I'm not sure whether I should be advertising this, but at least some of the low-level procedures in $IDL_DIR/lib/wavelet/source do not require a toolkit license. You just won't be able to use any of the GUI features.

WV_CWT - Compute the continuous wavelet transform for one-dimensional arrays.
WV_DENOISE - Use the wavelet transform to filter a 1 or 2-dimensional array.
WV_FN_COIFLET - Return the Coiflet wavelet coefficients.
WV_FN_DAUBECHIES - Return the Daubechies wavelet coefficients.
WV_FN_GAUSSIAN - Return the Gaussian-derivative wavelet.
WV_FN_HAAR - Return the Haar wavelet coefficients.
WV_FN_MORLET - Return the Morlet wavelet.
WV_FN_PAUL - Return the Paul wavelet.
WV_FN_SYMLET - Return the Symlet wavelet coefficients.

Also the "Numerical Recipes" implementation of some Daubechies wavelet coefficients has long been available as the intrinsic function WTN.

--Wayne Landsman landsman@mpb.gsfc.nasa.gov