Subject: 2D-Wavelet-Transform
Posted by Christian Oehreneder on Fri, 29 Sep 1995 07:00:00 GMT
View Forum Message <> Reply to Message

Schalom!

After some further investigation I came to the not very pleasing conlusion that the wtn of idl works with tensor waveletes with different scaling in the two coordinate-directions. Bad! In that the question, how the wavelet-coefficients are stored in the result-matrix of wtn is obsolet.

I'd like to have a decomposition in basis functions:

$$PSI_{mk}(x) = |\det(R)|^{m/2} \, PSI(R^m x - k)$$

with

$$R = \begin{matrix} 1 & -1 \\ 1 & 1 \end{matrix}$$

$m \in Z$

$k \in Z^2$

Who has software for this type of 2D-wavelet-decomposition?

Thanks
Christian