In this paper, double wavelet series of a signal $f$ of two variables $t_1$ and $t_2$ using Haar Scaling function $\Phi(t_1, t_2) = \varphi(t_1) \varphi(t_2)$ and Haar Wavelet function $\Psi(t_1, t_2) = \psi(t_1/2)$, $\psi(t_2/2)$.
has been introduced and it has been verified by a number of examples. Several properties of 
this signal and it’s image have been studied. The significant result of this paper are the 
decomposition and reconstruction of signals of a single variable 
and signals of two variables 
and 

using Haar Scaling signal as well as Haar Wavelets.

References

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Index Terms

Computer Science  Image Processing

Keywords

Haar Wavelet, Signal Processing, Image Processing, Double Wavelet Series, Signals of Lip 
Class