

# Download Second Generation Wavelets And Applications

In mathematics, a wavelet series is a representation of a square-integrable (real- or complex-valued) function by a certain orthonormal series generated by a wavelet. This article provides a formal, mathematical definition of an orthonormal wavelet and of the integral wavelet transform.

1rJ3 HEWLETT a:~ PACKARD An Introduction to Wavelets Lee A. Barford, R. Shane Fazzio, David R. Smith Instruments and Photonics Laboratory HPL-92-124 September, 1992 wavelets, wavelet The past ten years have seen an explosion of re- transform, multi- search in the theory of wavelets and their appli- resol ution analysis, cations. Contents Why is the Hurst Exponent Interesting (/misl/misl\_tech/wavelets/hurst/index.html#Why) White Noise and Long Memory (/misl/misl\_tech/wavelets/hurst/index.html# ...the curvelet domain allows the design of new numerical algorithms with far better asymptotic properties in terms of the number of computations required to achieve a given accuracy [6].