IMN-359

Décomposition/Reconstruction en ondelettes 1D



Figure 3.6: Forward filter bank decomposition.



Figure 3.7: Pyramid computation of the coefficients.





Figure 3.5: Wavelet coefficients. Top row: all the coefficients. Bottoms rows: zoom on the different scales

Transformée inverse





Décomposition en ondelettes de Lemarié



A Wavelet Tour of Signal Processing, 3rd ed. Wavelet coefficients $d_j[n] = \langle f, \psi_{j,n} \rangle$ calculated at scales 2^j with the Each up or down Dirac gives the amplitude of a positive or negative wavelet coefficient. At the top is the remaining approximation $a_J[n] = \langle f, \phi_{J,n} \rangle$ for J = -5.

Démo reconstruction

FWTIFWT

Wednesday, November 24, 2010