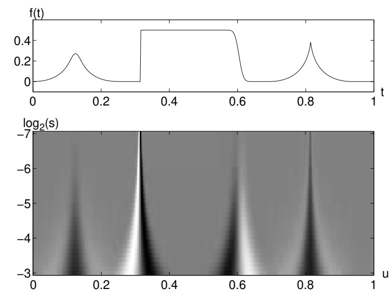
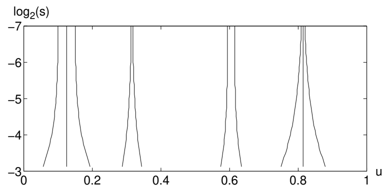
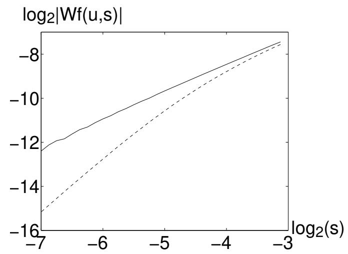
A Wavelet Tour of Signal Processing
Stéphane Mallat, Academic Press 1999 (2nd edition)



(a)



(b)



(c)

Figure 6.6: (a): Wavelet transform $Wf(u,s)$. (b): Modulus maxima of a wavelet transform computed $\psi = \theta''$, where θ is a Gaussian with variance $\beta = 1$. (c): Decay of $\log_2 |Wf(u,s)|$ along maxima curves. In the left figure, the solid and dotted lines correspond respectively to the maxima curves converging to $t = 0.81$ and $t = 0.12$. In the right figure, they correspond respectively to the curves converging to $t = 0.38$ and $t = 0.55$. The diffusion at $t = 0.12$ and $t = 0.55$ modifies the decay for $s \leq \sigma = 2^{-5}$.