



Fig. 6.6. A Wavelet Tour of Signal Processing, 3<sup>rd</sup> ed. (a): Wavelet transform  $Wf(u, s)$ . (b): Modulus maxima of a wavelet transform computed  $\psi = \theta''$ , where  $\theta$  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  $s \leq \sigma = 2^{-5}$ .