A Wavelet Tour of Signal Processing

Stéphane Mallat, Academic Press 1999 (2nd edition)

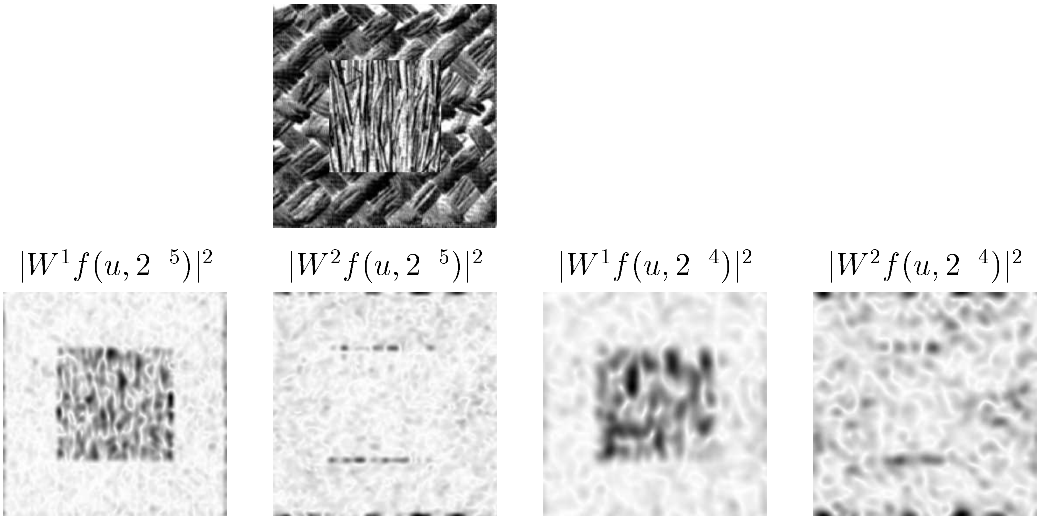

Figure 5.9: Gabor wavelet transform $|W^k f(u, 2^j)|^2$ of a texture patch, at the scales 2^{-4} and 2^{-5}, along two orientations α_k respectively equal to 0 and $\pi/2$ for $k = 1$ and $k = 2$. The darker a pixel, the larger the wavelet coefficient amplitude.