

$$|Wf(u, 2^{-5}, \pi/2)|^2$$

$$|Wf(u, 2^{-5}, 0)|^2$$

$$|Wf(u, 2^{-4}, \pi/2)|^2$$

$$|Wf(u, 2^{-4}, 0)|^2$$

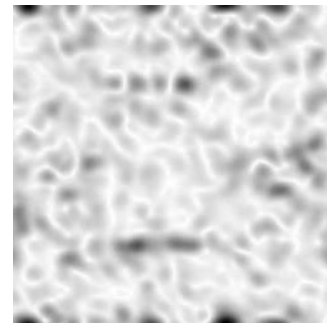
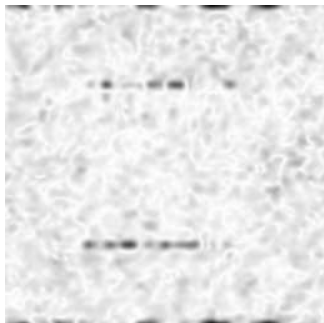
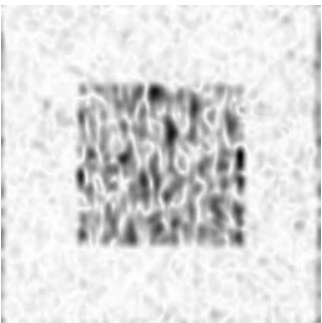


Fig. 5.9. A Wavelet Tour of Signal Processing, 3rd ed. Directional Gabor wavelet transform $|Wf(u, 2^j, \alpha)|^2$ of a texture patch, at the scales $2^j = 2^{-4}, 2^{-5}$, along two directions $\alpha = 0, \pi/2$. The darker a pixel, the larger the wavelet coefficient amplitude.