



Fig. 9.4. A Wavelet Tour of Signal Processing, 3rd ed. (a): Lena image f of $N = 256^2$ pixels. (b): Linear approximations f_M calculated from the $M = N/16$ Symmlet 4 wavelet coefficients at the largest scales: $\|f - f_M\|/\|f\| = 0.036$. (c): The support of the $M = N/16$ largest amplitude wavelet coefficients are shown in black. (d): Non-linear approximation f_M calculated from the M largest amplitude wavelet coefficients: $\|f - f_M\|/\|f\| = 0.011$.