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: \( \| f - f_M \| / \| f \| = 0.011 \).