

Fig. 7.23. A Wavelet Tour of Signal Processing,  $3^{\text{rd}}$  ed. These dyadic rectangles indicate the regions where the energy of  $\hat{\psi}_{j,n}^k$  is mostly concentrated, for  $1 \leq k \leq 3$ . Image approximations at the scale  $2^j$  are restricted to the lower frequency square.