



Fig. 5.4. A Wavelet Tour of Signal Processing, 3rd ed. (a): The dyadic wavelet coefficients are computed by cascading convolutions with dilated filters \tilde{h}_j and \tilde{g}_j . (b): The original signal is reconstructed through convolutions with \tilde{h}_j and \tilde{g}_j . A multiplication by $1/2$ is necessary to recover the next finer scale signal a_j .