$$\mathbf{W}_L^0$$

$$\mathbf{W}_{L+1}^0 \qquad \mathbf{W}_{L+1}^1$$

$$\mathbf{W}_{L+2}^0 \quad \mathbf{W}_{L+2}^1 \quad \mathbf{W}_{L+2}^2 \quad \mathbf{W}_{L+2}^3$$

Fig. 8.1. A Wavelet Tour of Signal Processing, 3rd ed. Binary tree of wavelet packet spaces.