	9	

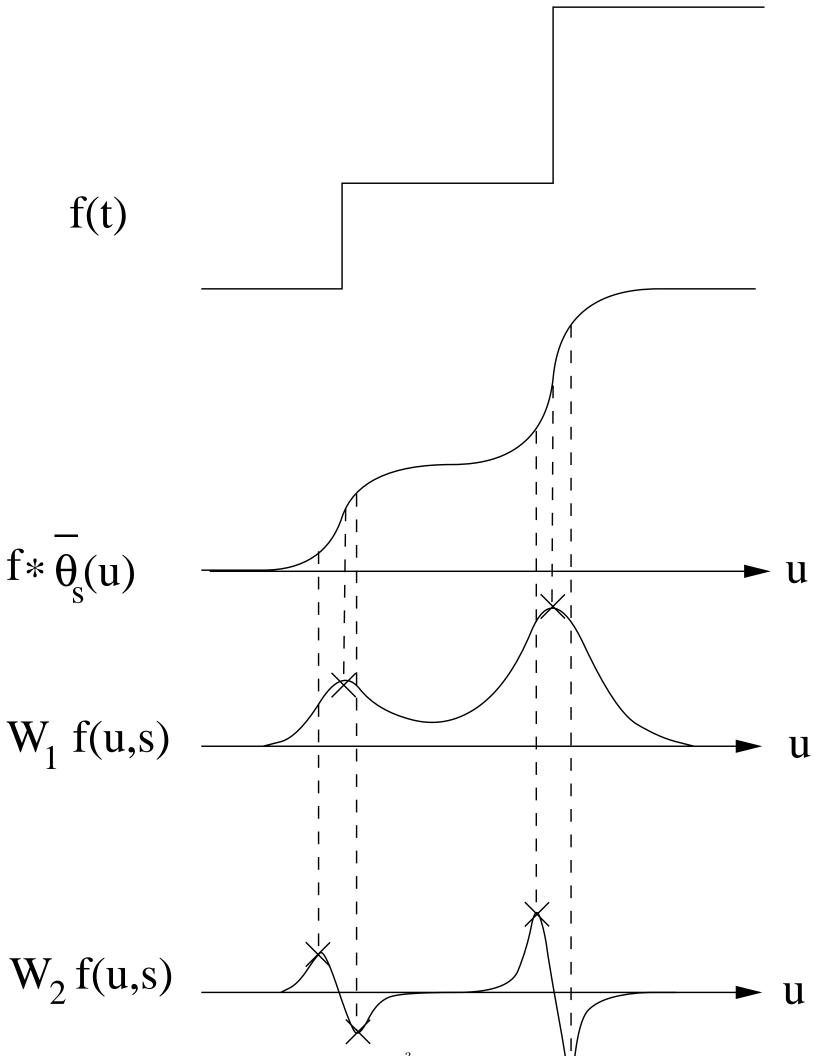


Fig. 6.4. A Wavelet Tour of Signal Processing,  $3^{\rm rd}$  ed. The convolution  $f\star\bar{\theta}_s(u)$  averages f over a domain proportional to s. If  $\psi=-\theta'$  then  $W_1f(u,s)=s\frac{d}{du}(f\star\bar{\theta}_s)(u)$  has modulus maxima at sharp variation points of  $f\star\bar{\theta}_s(u)$ . If  $\psi=\theta''$  then the modulus maxima of  $W_2f(u,s)=s^2\frac{d^2}{du^2}(f\star\bar{\theta}_s)(u)$  correspond to locally maximum curvatures.