

Fig. 4.3. A Wavelet Tour of Signal Processing, $3^{\rm rd}$ ed. The signal includes a linear chirp whose frequency increases, a quadratic chirp whose frequency decreases, and two modulated Gaussian functions located at t=0.5 and t=0.87. (a) Spectrogram $P_S f(u,\xi)$. Dark points indicate large amplitude coefficients. (b) Complex phase of $Sf(u,\xi)$ in regions where the modulus $P_S f(u,\xi)$ is non-zero.