



Fig. 12.20. A Wavelet Tour of Signal Processing, 3rd ed. Left and center: comparison of the minimum \mathbf{l}^1 and \mathbf{l}^2 solution of $\Phi^*a = f$ for $P = 2$. Right: geometry of the \mathbf{l}^1 minimization for $P = 3$. The solution \tilde{a} has typically less non-zero coefficients for \mathbf{l}^1 than for \mathbf{l}^2 .