



Fig. 13.11. A Wavelet Tour of Signal Processing, 3rd ed. Ratio Q/M as a function of Q to obtain the same error with Q compressed sensing measurements and an M -term non-linear approximation. (a): Results for a normalized random Gaussian matrix and a Fourier random sampling, with $N = 1024$ and $s = 3/2$. (b): Comparison between a matching pursuit with back projection (MP), an orthogonal matching pursuit (OMP) and a basis pursuit with back projection (BP), for $N = 1024$ and $s = 3/2$. (c): Evolution of Q/M for $N = 1024$ and s varying.