

Figure 1.4 Image of the null space model $V_{.,9}$.

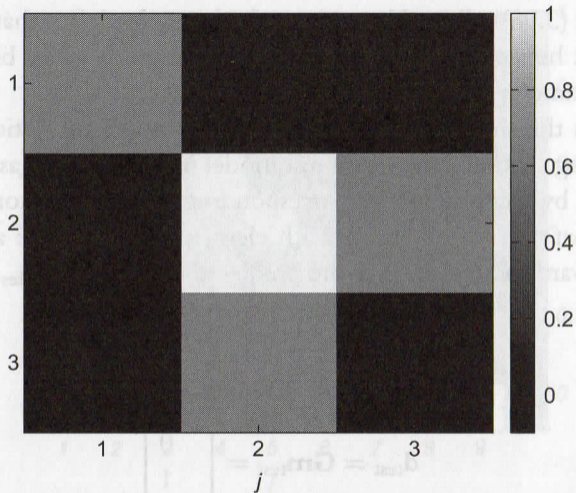


Figure 3.8 The generalized inverse solution for the noise-free spike test.

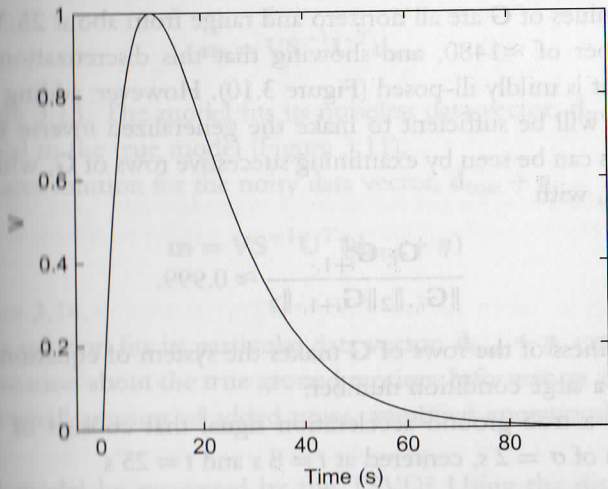


Figure 1.8 Example instrument response; seismometer output voltage in response to a unit area acceleration impulse (delta function).

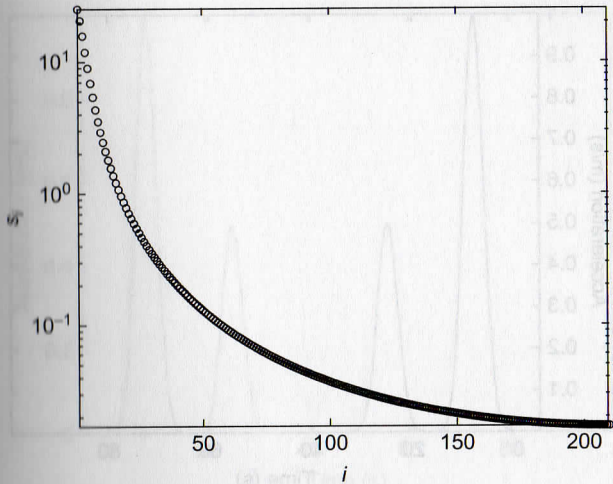
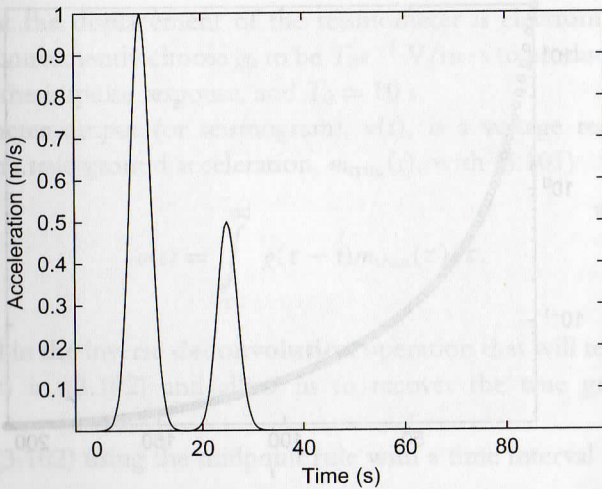
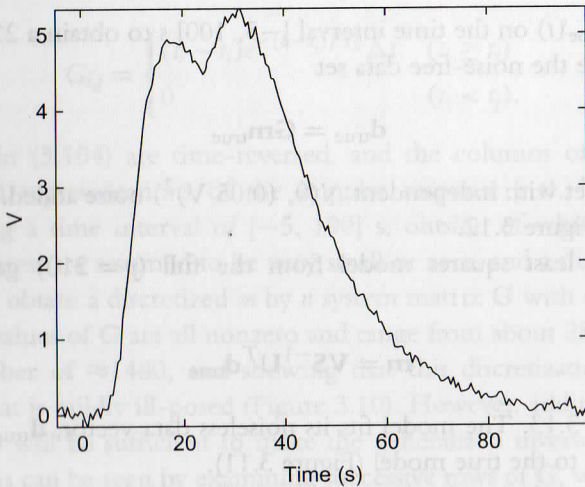


Figure 3.10 Singular values for the discretized convolution matrix.



The true model.



Predicted data from the true model plus independent $N(0, (0.05 \text{ V})^2)$ noise,

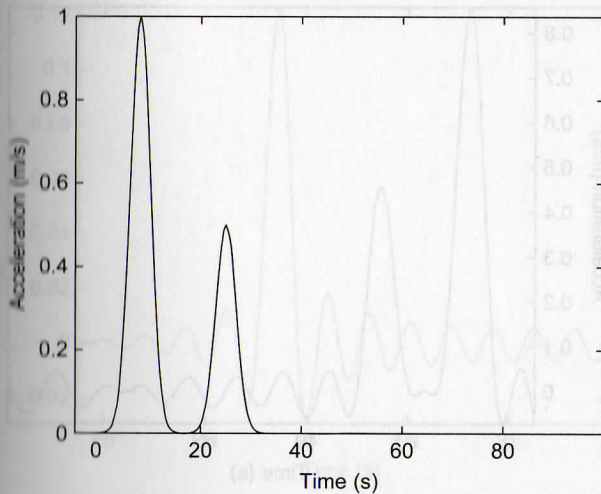


Figure 3.13 Generalized inverse solution using all 210 singular values for the noise-free data.

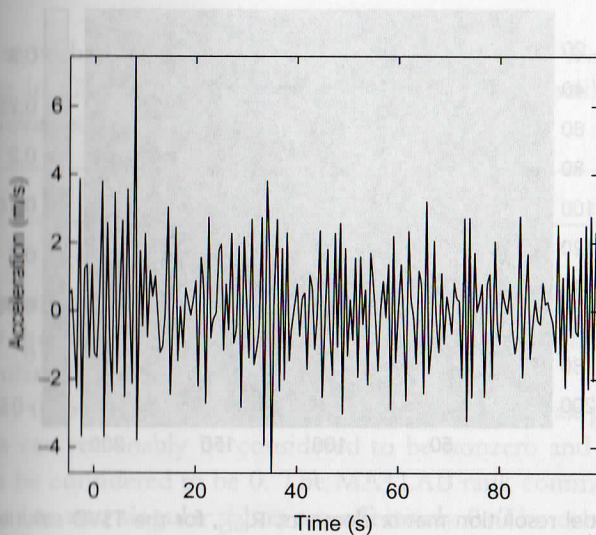


Figure 3.14 Generalized inverse solution using all 210 singular values for the noisy data of Figure 3.12.

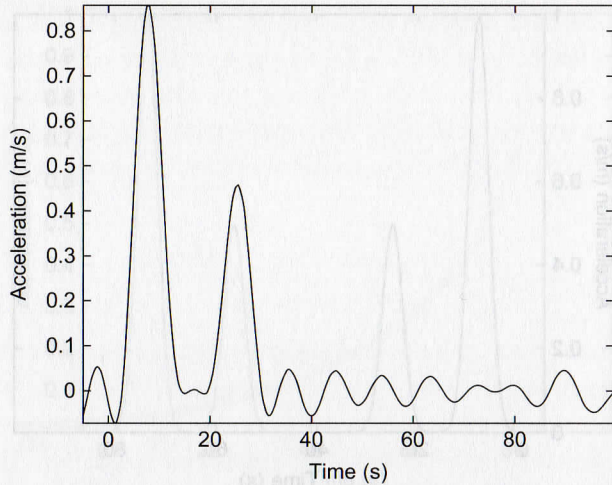


Figure 3.15 TSVD solution using $p' = 26$ singular values for the noisy data shown in Figure 3.12.

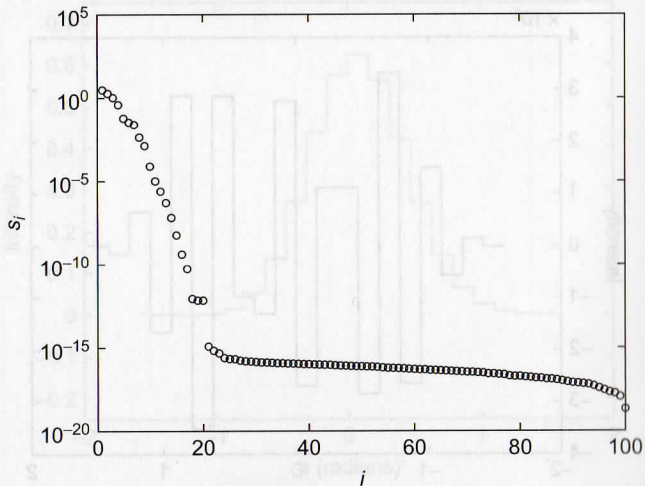


Figure 3.26 Singular values of G for the Shaw example ($n = m = 100$).