



Practicing – **Assignments (Chapter 4)**

The function `l1_l2_irls.m` is used to solve the deconvolution problem with sparsity constraints on the reflectivity series. In other words, one seeks the sparse time series (series of reflection coefficients) that reproduces the seismogram when convolved with the source wavelet

- Download [test l1 l2 irls.m](#) (this program calls the function `l1_l2_irls.m`)
- Download `l1_l2_irls.m`
- Download wavelet `w.mat` and seismogram, `s.mat`.

Results should look like: [decon irls.pdf](#)

Deadline: in a week