Thank you for your interest in our work, and below is the description of the Matlab code.

This toolbox provides the Matlab codes used in the paper:

Jiang Zhu, Lin Han, Rick S. Blum and Zhiwei Xu, "On the Analysis of the Fisher Information of a Perturbed Linear Model after Random Compression," IEEE Signal Processing Letters DOI: 10.1109/LSP.2017.2769129

It consists of the following 4 scripts:

Example\_1: provides the code used to generate Fig 1 of the paper.

Example\_2: provides the code used to generate Fig 2 of the paper.

Example\_3: provides the code used to generate Fig 3 of the paper.

gradient\_descent: provides the gradient descent algorithm used in Example\_2 and Example\_3.