

Model Reduction of Dynamical Systems

Exercise 2

8 May 2017

Problem 1. *Model reduction by balanced truncation*

Using the provided Jupyter notebook, apply balanced truncation to the clamped beam model which you find as `beam.mat` in the NICONET benchmark collection¹.

¹<http://slicot.org/20-site/126-benchmark-examples-for-model-reduction>