CMSE 890-001: Spectral Graph Theory and Related Topics, MSU, Spring 2021

Homework 10

Due: April 11, 2021

Exercise 1. In Exercise 03 of Homework 09 you are asked to test the Cheeger cut algorithm on the stochastic block model. If done correctly, you should get some pretty good results when the intra-edge probability within clusters is sufficiently larger than the inter-edge probability between clusters. Read Chapter 23 of *Spectral and Algebraic Graph Theory* to learn about some theoretical justification for these results. There is nothing to turn in.