

STAT/CAAM 28200 - Assignment 4 - Due Friday March 4

This is an individual assignment. You may collaborate with others but are expected to give each problem an honest attempt on your own first, and must submit your own work, in your own words. Show all relevant work and cite all sources used. If you get stuck, come to office hours. Write your name on your submission. Submit assignments on gradescope (linked from canvas). You may take a picture of written work and upload the images, scan your work and upload a pdf, or, if you are ambitious, tex it. Please submit one collated file.

All Strogatz problems are from Strogatz Second Edition, the one with the black cover.

Strogatz Problems from Chapter 7: Please complete:

7.3.1, 7.3.2, 7.3.12, 7.5.6

Strogatz Problems from Chapter 8: Please complete:

8.2.2, 8.2.3, 8.2.4, 8.2.11, 8.2.17 (you may assume the stated fact regarding the eigenvalues in part b), 8.7.9