MO412 – Network Science   University of Campinas

Homework 10

Assigned on 2020-12-05   **Due on 2020-12-11**

1. (Network robustness) Consider the undirected network given in the `netA.txt` file accompanying this homework. Each line in this file is a link.

   With the help of a computer, study the robustness of this network against random failures, plotting its $P_\infty(f)/P_\infty(0)$ ratio for f between 0 and 1 with 0.05 increments.

   Please submit your plot and code for grading.