1145-94-1336   **Samuel Baker*** (`shbaker812@gmail.com`) and **Franklin H. J. Kenter** (`kenter@usna.edu`).
Inverse Problems of Mixed Random Graph Models. Preliminary report.

This study focuses on the relationship between random graphs and real world networks. By combining known random graphs, such as the Geometric and Erdős-Réyni models into new random graph models, we are looking to find the optimal way to represent real world networks. We look to solve the inverse problem: given a real world network, we attempt to find the parameters that could generate that graph. (Received September 21, 2018)