



Undergraduate Math and Physics Seminar

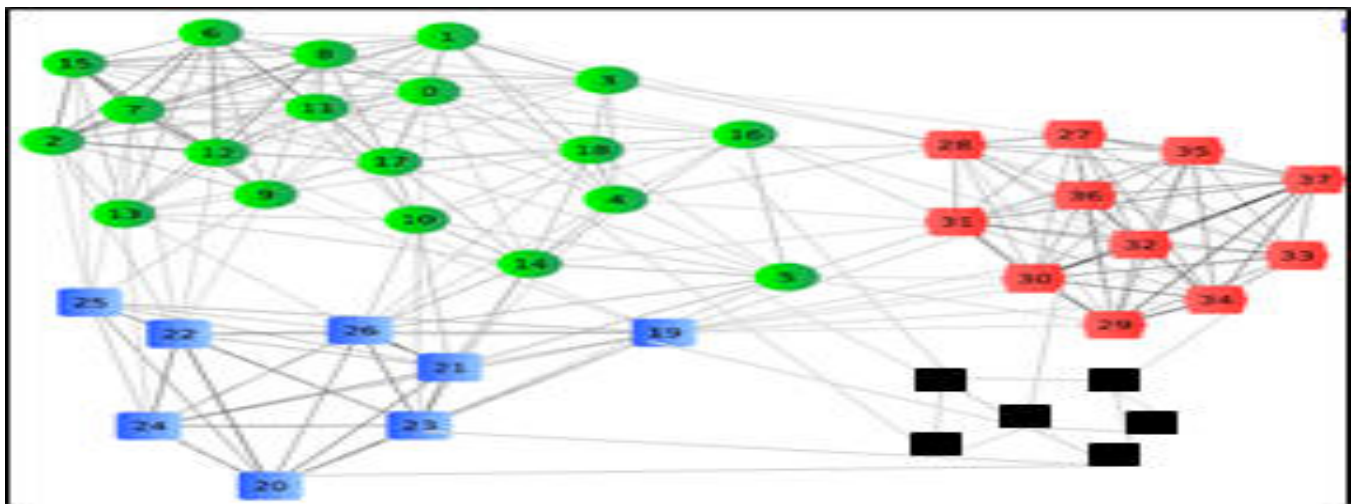
An Overview of Community Detection Algorithms on Graphs

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Abstract:

Community detection in graphs is a well-studied subject in graph theory. Many of the community detection algorithms have an interesting mathematical theory behind them. We give an overview of the algorithms and provided needed mathematical background. We cover spectral methods for community detection, stochastic block model (SBM) based methods and will give several demonstrations of how they are used in industry.



When: Monday, October 23, 2017, 4:30-5:20 pm

Where: CSUCI, Del Norte 1530