

Suggested Project

Project presentations will take place on May 9 and May 14. Please stop by my office to discuss any project you have in mind, including one on this list.

- Analysis of quantum games - recent paper by John Watrous
- Quantum zero knowledge
- Algorithmic cooling
- Work out simple proof, using projections, of Watrous' result showing how to amplify acceptance probability for QMA.
- Analysis of DWave's announcement + adiabatic quantum optimization
- Quantum computation in the one clean qubit model
- Quantum algorithms for Gauss sums + counting points on algebraic curves