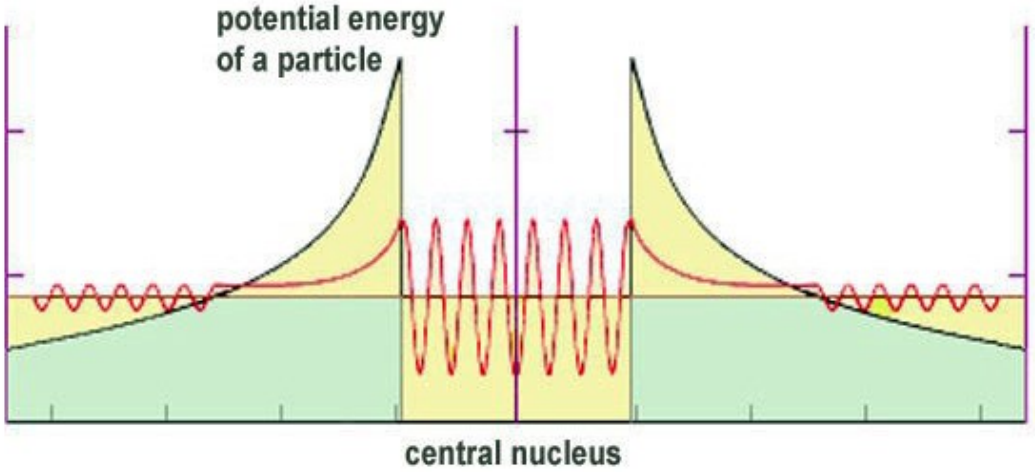
Department of Mathematics

Spring 2016 Colloquium Series



"Supercomputing and Quantum Tunneling"

Professor Ken Owens,
Steven Margell, Brian Page, Matt Hall and Canyon Robbins
HSU Department of Mathematics

Thursday, April 21, 2016

Behavioral and Social Sciences Building Room 166, 4 p.m.

The aim of this presentation is to accurately describe how quantum tunneling enables nuclear fusion in plasmas such as the sun. To this end, we will examine models of fusion via supercomputer simulation and compare the results with experiments. The construction of the HSU supercomputer and its current uses will also be discussed.

Kenneth Owens holds a Ph.D. from the University of Southern California. Steven Margell is a M.S. candidate in Environmental Systems. Brian Page is an HSU Computer Science undergraduate and prospective Ph.D. student at Notre Dame; Matt Hall is an HSU Computer Science undergraduate and Canyon Robbins is an Arcata High School senior and prospective Stanford University freshman.

For a complete abstract, go to http://www.humboldt.edu/math/news-and-events/math-colloquium

We invite you to the Pre-colloquium Tea on the third floor of the BSS building at 3:30 on Thursday.