



Physics colloquium

Undergraduate Thesis Presentations

Date: 5/10/19

Time: 10:00 AM

Location: COB2 170

For more information contact

Jay Sharping

jsharping@ucmerced.edu

Time:10:30-10:42

Title: *An Analysis of an Active Nematic System using Topological Entropy*

Authors: Ulyses Alvarado Olvera, Kevin Mitchell, Linda Hirst

Time:10:42-10:54

Title: *Creating Quantum Dots through applied strain*

Authors: Harrison Mausolff, David Strubbe

Time:10:54-11:06

Title: *Simulations and machine learning of Random Walk with Poisson-distributed step size*

Authors: Steven Nguyen, Chih-Chun Chien

Time:11:06-11:18

Title: *Simulation and machine learning of Random Walk with time dependence probability*

Authors: Tony Nguyen, Chih-Chun Chien

Time:11:18-11:30

Title: *Droplet Retention and Marangoni Forces*

Authors: Joshua Roe, Dustin Kleckner

Time:11:30-11:42

Title: *Spin Contamination and Spin Projection using Modified Clebsh-Gordon Algebra*

Authors: Yogev Gluzman, Hrant Hratchian

Time:11:42-11:54

Title: *Diffusive searches by DNA binding proteins in the presence of gene antennae*

Authors: Angel Rubalcava, Ajay Gopinathan