Berkeley-Stanford REU Joint Conference 2013

July 29, 2013

10:00 am: Coffee

10:30 am: “Hearing the shape of a drum: Eigenvalues of the Laplacian on geometric domains.” Room 381T
Speakers: Tri Dao Phuc Quang, Oliver Bear Don’t Walk, and Brian Wai.

“The Logic of Transformation Groups on Topological Spaces.” Room 381 U
Speaker: Vien Nguyen.

11:00 am: “Optimizing Optimization.” Room 381T
Speakers: Edward Dai, Mike Phulsuksombati, Aditya Kanukurthy, and Jason Risch.

“Bounding partial sums of the Möbius function over arithmetic progressions.” Room 381 U
Speaker: Lynnelle Ye.

11:30 am: “Random Walk on the Heisenberg Group.” Room 381T
Speaker: Ian Ball.

“Rational Functions with Integer Coefficients.” Room 381 U
Speakers: Jack Wyat Petok, Zhivko Nikolaev Zhechev, and Daniel Niv.

12:00 pm: Lunch Break (lunch will be provided)

2:00 pm: “Toric Graph Ideals Speakers.” Room 381T
Speakers: Bryan Brown, Laura Lyman, and Amy Nesky.

“Representation Theory and Rings of Invariants.” Room 381 U
Speakers: Nilay Kumar and Yajit Jain.

2:30 pm: “Bounds for Geometric Invariants on Monomial Curves” Room 381T
Speakers: Timothy Duff, Takumi Murayama, and Karl Schaefer.

“Symplectic capacities of toric domains” Room 381 U
Speakers: Emmanuel Tsukerman, Matthew McMillan, and Michael Landry.

3:00 pm: “Representation Theory and Wonderful Compactifications.” Room 381T
Speakers: Hood Chatham, Gurbir Dhillion, and Priya Kshirsagar.

“Symplectic embeddings of ellipsoids into polydiscs.” Room 381 U
Speakers: Max Timmons, Madeleine Burkhart, and Priera Panescu.