Time	Graduate Student Session: SB 246 Chair: Yingxian Zhu	Undergraduate Student Session A: SB 260 Chair: Debanjan Bhattacharjee	Undergraduate Student Session B: SB 263 Chair: Violeta Vasilevska	Pure Mathematics Session: SB 268 Chair: Scott Lewis
9:45	**Jason Adams** The Stability of the Steady State Solutions of a Predator-Prey Model having Holling type II response.	**Matt Brown** An application of the Group-Weights Theorem	**Ian Kessler** An Exploration of Quadratic Residues in Finite Fields	**Dakota Hawkins, Newman Knowlton, and Alex Graves** O Captain! My captain!
10:05	**Brennon Bauer, and Amy Gifford** A Stable Semi-Implicit Numerical Scheme for a Competition Model Arising in Math Biology	**Christopher Bott** FJRW Theory: Classification of A-model Polynomials and Symmetry Groups	**Dan Adams and Kristen Smith** Ends of Cayley Graphs of $\mathbf{Z}$ With Infinite Generating Sets	**T.H. Steele** Attractions for Iterated Function Schemes
10:25	**William Cocke** Cohomology of Congruence Subgroups of SL(3,Z) below the Cohomological dimension	**John Gardiner and Ryan Sandberg** Comparing Chains to Other Polynomials to Better Understand Mirror Symmetry	**Dan Gulbrandsen** The Hyperbolicity of Cayley Graphs of $\mathbf{Z}$ With Infinite Generating Sets	**Scott Lewis** Constructing Conjugacies Between Unimodal Maps
10:45	**Skyler Simmons** The restricted n-body Problem	**Lisa Bendall** Defining the Transpose in Landau-Ginzburg Mirror Symmetry	**Steffan Larsen** Space Filling Curves and Their Applications with Metamaterials	**Jonathan Tyler** Quaternions vs. Euler Angles: A Vector Rotation Comparison –Applied
11:05	**Andrew Misseldine** Primitive Idempotents of Schur Rings	**Nathan Cordner** Transpose Polynomials and Symmetry Groups	**Jesse Hicks** Algebraic Properties of Killing Vectors for Lorentz Metrics	**Dan Jones, Dustin Pierpont, Yifei Zhu** Slower-Traffic-Keep-Right Rule