

Tuesday August 13 (Session I)				
Session I-1 (1:30-2:50pm)				
Section A - EA 160 - moderator: Linus Ge				
I-1-A-1	1:30-1:50	Representation stability of Vertical Configuration Spaces	Chenglu Wang	David Baron
I-1-A-2	2:00-2:20	Computing Galois Actions of Torsion on Abelian Varieties	Aidan S Hennessey	
I-1-A-3	2:30-2:50	Elliptic Curves and Bounding the 7-Torsion of Ideal Class Groups of Imaginary Quadratic Fields	Ryder T Pham	
Section B - EA170 - moderator: Avery McNeill				
I-1-B-1	1:30-1:50	Singular Laplacian eigenmaps via Green's function	Elijah L Andersor	Faye F Castro
I-1-B-2	2:00-2:20	Hearing Cyclicity from the Spectrum of the Kohn Laplacian on Spherical Space Forms	Martha Rose	Wc Daniel Rodriguez
I-1-B-3	2:30-2:50	Laplacian Eigenmaps and Geometric Structures of Compact Manifolds	Al Farable Akand	John P Ackerman
Section C - CH240 - moderator: Hunter Handley				
I-1-C-1	1:30-1:50	Recursion for the Partial-Dual Euler Genus Polynomial	Charlton Li	
I-1-C-2	2:00-2:20	New Geo-Arithmetical and Polynomial Results in Ramsey Theory	Kabir S Belgikar	
I-1-C-3	2:30-2:50	Counterexamples to the Boninger results about Jones type polynomials for links in thickened surfaces	Gabriel A Black	David A Kruzel Adarsh Praturi
Session I-2 (3:30pm-4:20pm)				
Section A - EA 160 - moderator: Linus Ge				
I-2-A-1	3:30-3:50	Additive and Qubit Codes from Generalized Toeplitz Construction	Lisa V Samoylov	
I-2-A-2	4:00-4:20	Expansivity on Julia Sets	David R Sieg	
Section B - EA170 - moderator: Steven Miller				
I-2-B-1	3:30-3:50	Second Moment Calculations for One-Parameter Families of Elliptic Curves	Pico Y Gilman	Marie-Helene Tome
I-2-B-2	4:00-4:20	Bouncing Outer Billiards	Levi Keck	Kevin Lewis
Section C - CH240 - moderator: Hunter Handley				
I-2-C-1	3:30-3:50	Reconstruction of point-like radiating sources from single frequency data in a 2D acoustic waveguide	Ashley Song	Julia Lewis-Borgia
I-2-C-2	4:00-4:20	Uniform distribution and computability theory: UD randomness	Sierra D Edelstei	Noah G Giddings
Wednesday August 14 (Session II)				
Session II-1 (10:30am-11:30am)				
Section A - EA 160 - moderator: Katelynn Huneycutt				
II-1-A-1	10:30-10:50	Convergence Analysis for Edge-Informed Gaussian PSF Approximations	Nicholas Biglin	Jessica Li Ansh Desai
II-1-A-2	11-11:20	Markowitz Optimal Portfolio Theory: Risk Measures	Sean-Paul Billup	Isaais Vasquez
Section B - EA170 - moderator: Yunus Zeytuncu				
II-1-B-1	10:30-10:50	Homomesy and Parking Functions	Marvin N Gandhi	Cyrus Young
II-1-B-2	11-11:20	Chromatic Polynomials for 2-Edge-Colored Graphs	Steven Wu	Jeremy M Case
Section C - CH240 - moderator: Linus Ge				
II-1-C-1	10:30-10:50	Minimum Polyform Puzzle	Laney M Goldma	Eli B Dugan
II-1-C-2	11-11:20	Structural Characterizations of Well-Edge-Dominated Graphs	Claire S Kaneshi	Sumi P Vora
Session II-2 (1:30-2:50pm)				
Section A - EA 160 - moderator: Katelynn Huneycutt				
II-2-A-1	1:30-1:50	A Generalization of Merton's Investor Problem	Caroline A Borrilli	William Carvalho
II-2-A-2	2:00-2:20	Information Diffusion on Iterated Graph Models	Nhat-Dinh Nguyn	Christopher J. Brice
II-2-A-3	2:30-2:50	Optimal Design Problems with Cost Function: Regularity of Minimizers and Free Boundary Analysis	Saja Gherri	
Section B - EA170 - moderator: Kelly Jabusch				
II-2-B-1	1:30-1:50	Special values of Bessel Functions for subgroups of SL_n	David K.R. Cates	
II-2-B-2	2:00-2:20	Toric Surface Codes and the Periodicity of Polytopes	Amelia Gibbs	Nicholas Toloczko
II-2-B-3	2:30-2:50	Stable Subsets of Groups	Jad Damaj	Teresa Pollard
Section C - CH240 - moderator: Hunter Handley				
II-2-C-1	1:30-1:50	Benford's Law and Multinomial Distributions in Stick Fragmentation	Ella Lippelman	
II-2-C-2	2:00-2:20	Extending the support for Sn -th centered moments of a family of automorphic SL_2 -functions	Timothy Cheek	Marie-Helene Tome
II-2-C-3	2:30-2:50	Recursive Enumeration of Subsets of Subgroups of SL_n by Length Using Coset Dynamics	Cory L Shields	
Thursday August 15 (Session III)				
Session III-1 (11:00am-12:30pm)				
Section A - EA 160 - moderator: Linus Ge				
III-1-A-1	11-11:20	Symbolic Dynamics on Countable Alphabets	Alex M Paschal	
III-1-A-2	11:30-11:50	Patterns of Primes in Joint Sato-Tate Distributions	Abdellatif Anas	Chentouf
III-1-A-3	12-12:20	Topological Correspondance Between the Hausdorff Distance and a Quasi-Metric	Benjamin Braiman	
Section B - EA170 - moderator: Katelynn Huneycutt				
III-1-B-1	11-11:20	Braiding on Categories of Superselection Sectors	Tristen Brisky	
III-1-B-2	11:30-11:50	Long Paths in Polynomial Divisor Graphs	Jonathan M Parik	Kayla M Traxler
III-1-B-3	12-12:20	Generalized Movement Operators for Non-Abelian Anyon Theories	Noah M Ringrose	
Section C - CH240 - moderator: Steven Miller				
III-1-C-1	11-11:20	Congruence Classes of Simplex Structures in Finite Field Vector Spaces	Kareem M Jaber	Vismay Sharan
III-1-C-2	11:30-11:50	Minimum Distances of an Infinite Class of Toric Surface Codes	Eliza Hogan	Jenna Plute
III-1-C-3	12-12:20	Random Matrix Theory for Symmetric Matrices	Nir Elber	