9:00 am: Welcoming remarks
Prof. Srini Devadas, MIT Department of Electrical Engineering and Computer Science
Dr. Slava Gerovitch, PRIMES Program Director

9:15 am: Session 1. Discrete Mathematics I
Christina Chen, Apollonian equilateral triangles (mentor Nan Li)
Rohil Prasad and Jonathan Tidor, Staged self-assembly (mentor Jesse Geneson)
Dai Yang, Halving lines and underlying graphs (mentor Dr. Tanya Khovanova)

10:45 am: Session 2. Discrete Mathematics II
Ravi Jagadeesan and Nihal Gowravaram, Beyond alternating permutations: Pattern avoidance in Young diagrams and tableaux (mentor Joel Lewis)
William Kuszmaul and Ziling Zhou, Equivalence classes of permutations generated by replacement sets (mentors Darij Grinberg and Sergei Bernstein)

11:50 am: Session 3. Discrete Mathematics III
Aaron Klein, Enumeration of graded poset structures on graphs (mentor Yan Zhang)
Alan Zhou, Degrees of regularity of colorings of the integers (mentor Dr. Tanya Khovanova)

1:30 pm: Session 4. Number Theory
Dhroova Aiyam, Modified Farey sequences (mentor Dr. Tanya Khovanova)
Saarik Kalia and Michael Zanger-Tishler, Schmidt games and a family of anormal numbers (mentor Tue Ly)

2:30 pm: Session 5. Representation Theory
Sheela Devadas, Modular representations of Cherednik algebras (mentor Steven Sam)
Fengning (David) Ding, Infinitesimal Cherednik algebras (mentor Sasha Tsymbaliuk)