

PRESENTERS

Concatenations of Two Incidence Matrices, Spanning Trees in Planar Graphs: Two Related Problems 2:10pm

Alan Bu

Mentor(s): Yuchong Pan (MIT Math)

Yeast-based High-throughput Screening of Plasmodium falciparum Phosphodiesterase Beta (PDE β) for Malaria Drug Discovery 2:25pm

Kah Shuen Gan

Mentor(s): Charles Hoffman (Boston College Biology)

Quantum Computation as a Game: Graph State Searching Protocols for Quantum Chemistry Simulations 2:40pm

Eegan Ram

Mentor(s): MIT EECS

Traces on Kleinian Singularities of Type D 2:55pm

Joseph Vulakh

Mentor(s): Daniil Kliuev (MIT Math)

Determinants of Cross-National Differences in Generic Drug Prices Among the G7 3:10pm

Jason Wang

Mentor(s): Dr. Aaron Kesselheim (Harvard)

Break 3:25pm

Making Large Language Models Smaller: Block-Wise Distributional Quantization 3:40pm

Radostin Cholakov

Mentor(s): Yoon Kim (MIT CSAIL)

Lomb-Scargle Periodicity Analysis on a Low-Mass Binary System in 47 Tuc 3:55pm

Emily Aleman

Mentor(s): Dr. Roseanne Di Stefano (Harvard Center for Astrophysics)

Binary Cellular Analysis: A Mathematical Framework for Understanding Growth and Mortality in Terms of Cells 4:10pm

Luke Huang

Mentor(s): Prof. James Michaelson (Harvard Medical School)

Decoding Familial Cancer: Whole-genome Sequencing of Multiple Myeloma Families Enables Identification of Candidate Genes 4:25pm

Alexa Fein

Mentor(s): Dr. Irene Ghobrial, Jean-Baptiste Alberge (Harvard - Longwood)

Investigating Factors Correlated with Patient Response to Transcranial Magnetic Stimulation for Treatment-Resistant Depression 4:40pm

Evrin Sude Con

Mentor(s): Daniel Press, Subha Subramanian (Harvard BIDMC)