

Mathematics

Session **Q**

Room: 103 Downs

1:00 - 1:20 PM	Samuel J. Moss <i>Ryser SURF Fellow</i>	Synthetic noncommutative motives for algebraic K -theory	Denis-Charles Cisinski <i>Professor of Pure Mathematics, University of Regensburg</i> Matthias Flach <i>Professor of Mathematics</i>
1:20 - 1:40 PM	Peter B. Powell <i>Samuel P. and Frances Krown SURF Fellow</i>	Magnitude of metric spaces and spectral action models of gravity	Matilde Marcolli <i>Robert F. Christy Professor of Mathematics and Computing and Mathematical Sciences</i>
1:40 - 2:00 PM	Arpit Mittal <i>Timothy Ryan SURF Fellow</i>	Colored Jones tails, stability series, and the Gukov-Manolescu series	Sergei G. Gukov <i>John D. MacArthur Professor of Theoretical Physics and Mathematics</i> Josef Svoboda <i>Simons Collaboration Postdoctoral Scholar Teaching Fellow in Mathematics</i> Lara San Martin <i>Graduate Student in Mathematics</i>
2:00 - 2:20 PM	Ostap Vyshnevskiy <i>Jean J. Dixon SURF Fellow</i>	Murasugi sum and the constituent structure of strongly quasipositive knots	Sergei G. Gukov <i>John D. MacArthur Professor of Theoretical Physics and Mathematics</i> Josef Svoboda <i>Simons Collaboration Postdoctoral Scholar Teaching Fellow in Mathematics</i> Lara San Martin <i>Graduate Student in Mathematics</i>
2:20 - 2:30 PM	BREAK		
2:30 - 2:50 PM	Xi He <i>Olga Taussky-Todd SURF Fellow</i>	Density degree set of algebraic varieties	Yu Fu <i>Noether Postdoctoral Scholar Teaching Fellow in Mathematics</i>
2:50 - 3:10 PM	Owen J. Xu	Recurrence and transience of excited random walks on trees and lamplighter groups	Matthew M. Gherman <i>Hearst Postdoctoral Scholar Teaching Fellow in Mathematics</i> Tasmin Chu <i>Graduate Student in Mathematics</i>

3:10 - 3:30 PM	Matthias K. Kim <i>Nilo A. and Phylis F. Niccolai</i> SURF Fellow	Mod-2 negligible cohomology of groups of order 16	Matthew M. Gherman <i>Hearst Postdoctoral Scholar</i> <i>Teaching Fellow in Mathematics</i>
3:30 - 3:50 PM	Hypatia C. Hamkins <i>Olga Taussky-Todd</i> SURF Fellow	The diameter of random regular graphs	John Urschel <i>Class of 1956 Career</i> <i>Development Assistant</i> <i>Professor of Mathematics,</i> <i>Massachusetts Institute of Technology</i> Catherine Babecki <i>Olga Taussky and John</i> <i>Todd/von Karman Postdoctoral</i> <i>Scholar Teaching Fellow in</i> <i>Mathematics</i>
3:50 - 4:10 PM	Gavin H. Slocum <i>The Associates SURF Fellow</i>	Optimal pebbling of wedge sums of cycles and kayak paddle graphs	Matthew M. Gherman <i>Hearst Postdoctoral Scholar</i> <i>Teaching Fellow in Mathematics</i>