北京理工大學

2026 TALKS IN COMBINATORICS



Aritra Bhattacharya is a postdoc at the School of Mathematics and Statistics in Beijing Institute of Technology. He was previously a postdoctoral fellow at the Beijing International Center for Mathematical Research, Peking University. He got his Ph.D. from the Institute of Mathematical Sciences, India. His research is mainly focused on symmetric functions.

Change of parameters in Hall-Littlewood functions

The Hall-Littlewood functions are a distinguished family of symmetric functions depending on a single parameter u which generalizes the Schur functions. Much like the Schur functions, the HL functions exhibit very beautiful combinatorics using semistandard Young tableaux. In this talk I will recount the classical story of HL functions and then explore the coefficients of change of basis when the parameter is changed from $u = t$ to $u = q$. We will talk about an extension of the tableaux formula for Schur functions and some positivity results and conjectures.

2026.11.10 (Tue) 2.00–5.00 pm @Wencui E409

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