

IAS | PCMI

PARK CITY  
MATHEMATICS INSTITUTE

A program of the Institute for Advanced Study

July 6 – 26, 2025

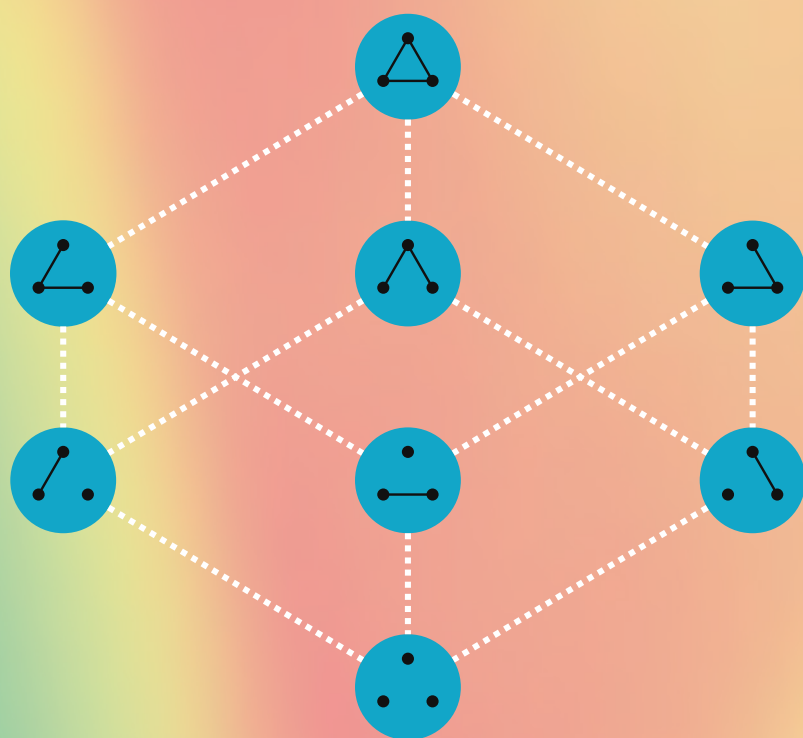
Park City, Utah

Research Topic

# EXTREMAL AND PROBABILISTIC COMBINATORICS

## THREE-WEEK SUMMER PROGRAM FOR

Graduate Students  
Undergraduate Students  
Mathematics Researchers  
Undergraduate Faculty  
Mathematics Educators



## APPLICATIONS

[www.ias.edu/pcmi](http://www.ias.edu/pcmi)

## DEADLINE

January 15, 2025

Financial Support Available

### PCMI Director

Rafe Mazzeo, Stanford University

### PCMI 2025 Organizers

Julia Böttcher, London School of Economics  
Jacob Fox, Stanford University  
Penny Haxell, University of Waterloo  
Robert Morris, IMPA  
Wojciech Samotij, Tel Aviv University

### Graduate and Research Program Steering Committee

Jayadev Athreya, University of Washington  
Dave Auckly, Kansas State University  
Tom Garrity, Williams College

### Undergraduate and Faculty Program Steering Committee

Paul Melvin, Bryn Mawr College  
Irena Swanson, Purdue University

### Workshop on Rehumanizing Mathematics

Rochelle Gutiérrez, University of Illinois  
July 6 – 19, 2025

### Graduate Summer School Lecturers

Matija Bucić, Institute for Advanced Study  
David Conlon, Caltech  
Imre Leader, University of Cambridge  
Anita Liebenau, UNSW Sydney  
Shachar Lovett, University of California, San Diego  
Jinyoung Park, NYU  
Sarah Peluse, Stanford University  
Will Perkins, Georgia Tech  
Julian Sahasrabudhe, University of Cambridge

### Undergraduate Summer School Lecturer

Yuval Wigderson, ETH Zürich

### Undergraduate Faculty Program Lecturer

Cory Palmer, University of Montana

PCMI receives major financial support from the Simons Foundation and the National Science Foundation.

### *Child Care Fund for PCMI Participants*

*Apply for funding to offset child care costs incurred while attending PCMI Summer Session*

PCMI encourages applications from all with interest in the program, both from the US and internationally. Our goal is to provide a welcoming community for all participants.