

Practicum for Undergraduate Mathematicians in Combinatorics

Saturday April 13, 2024

- 8:00–8:50 *Check-In/Breakfast (Hosted by IPAM)*
- 8:50–9:00 *Welcome and Introductions*
- 9:00–10:00 **Emily Heath** (Iowa State University)
Introduction to Extremal Combinatorics
- 10:00–11:00 **Anastasia Chavez** (Saint Mary's College of California)
Tutorial Lecture: An introduction to matroid theory (Part 3)
- 11:00–12:00 *Problem Session #1*
- 12:00–1:00 *Lunch (Hosted by IPAM)*
- 1:00–2:00 **Anastasia Chavez** (Saint Mary's College of California)
Tutorial Lecture: An introduction to matroid theory (Part 3)
- 2:00–3:00 *Problem Session #2*
- 3:00–3:30 *Break*
- 3:30–4:30 **Bennet Goekner** (University of San Diego)
Two famous examples in Enumerative Combinatorics
- 4:30–5:30 *Professional development session #1-facilitated by Anika D O'Donnell*

Sunday April 14, 2024

- 8:00–9:00 *Check-In/Breakfast (Hosted by IPAM)*
- 9:00–10:00 **Max Hlavacek** (Pomona College)
An invitation to Ehrhart theory
- 10:00–11:00 **Andrés Vindas Meléndez** (Harvey Mudd College)
Tutorial Lecture: An introduction to matroid theory (Part 3)
- 11:00–12:00 *Problem Session #3*
- 12:00–1:00 *Lunch (Hosted by IPAM)*
- 1:00–2:00 **José Mijares-Palacios** (California State University, Los Angeles (CSU Los Angeles))
An introduction to Ramsey theory and its connections with topology
- 2:00–3:00 *Professional development session #2- facilitated by Anika D O'Donnell*



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