

Mathcamp 2020 Week 3 Schedule

| Time | Room | Monday | Tuesday | Wednesday | Thursday | Friday |
|-------------|--------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------|----------|----------------------|
| Before 9:00 | Kitchen deck | “Breakfast” | | | | |
| 9:00–10:00 | Arch | Assembly (Assembly Hall) | Regular expressions and generating functions \mathcal{H} (Linus) | | | |
| | Douglas | | Gothic windows \mathcal{H} (Kinga) | Spectral graph theory $\mathcal{H}\mathcal{H}$ (Ania) | | |
| | Mint | | Geometric programming \mathcal{H} (Misha) | | | |
| | Peru | | Congruences of Bernoulli numbers and zeta values $\mathcal{H}\mathcal{H}\mathcal{H}$ (Eric) | | | |
| | Union | | Bairely complete $\mathcal{H}\mathcal{H}$ (Ben) | | | |
| 10:10–11:10 | Canyonland | FUNdamental groups and friends: an introduction to topological invariants $\mathcal{H}\mathcal{H}$ (Katharine) | | | | |
| | Georgia | Fourier analysis \mathcal{H} (Alan) | | | | |
| | Oxbow | Extremal set theory: intersecting families \mathcal{H} (Neeraja) | | | | |
| | Rhode Island | Representation theory of finite groups (week 1 of 2) $\mathcal{H}\mathcal{H}\mathcal{H}$ (Mark) | | | | |
| | Subalpine | How not to prove the Continuum Hypothesis (week 1 of 2) $\mathcal{H}\mathcal{H}\mathcal{H}$ (Susan) | | | | |
| 11:10–12:10 | Kitchen deck | “Lunch” | | | | |
| 12:10–1:10 | Arch | Geometry of lattices $\mathcal{H}\mathcal{H}$ (<i>J-Lo</i>) | | | | |
| | Douglas | Classifying complex semisimple Lie algebras $\mathcal{H}\mathcal{H}\mathcal{H}$ (Kayla) | | | | |
| | Ngo | The John Conway hour $\mathcal{H} \rightarrow \mathcal{H}$ (Pesto & Tim!) | | | | |
| | Peru | Information theory $\mathcal{H}\mathcal{H}$ (Mira) | | | | |
| | Union | Grammatical group generation \mathcal{H} (Eric) | Math and literature \mathcal{H} (Yuval) | Let’s reverse-engineer photoshop \mathcal{H} (<i>Olivia Walch</i>) | | |
| 1:10–3:00 | Mathcampus | TAU | | | | Team Problem Solving |
| Later | Kitchen deck | “Dinner” | | | | |

Key: **[HR]**—Homework Required