

Department of Mathematics, BGU

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# BGU Probability and Ergodic Theory (PET) seminar

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*On Thursday, January, 15 2026*

*At 11:10 – 12:00*

*In 101-*

Ankit Sahu (BGU)

will talk about

## **Counting Dihedral Extensions of $\mathbb{Q}$ that Ramfy over Two Primes**

Abstract: We count the number of minimally ramfied quartic dihedral extensions of the rational numbers by discriminant unconditionally, and by the product of ramfied primes assuming the Generalized Riemann Hypothesis.