

Department of Mathematics, BGU

AGNT

On Wednesday, June ,24 2026

At 14:10 – 15:10

In 201

Yotam Svoray (HUJI)

will talk about

Bounds on the F-Pure Threshold of Isolated Hypersurface Singularities

Abstract: The use of the Frobenius map to understand singularities in positive characteristics has been a crucial and important tool in modern algebraic geometry. In addition, it allows us to develop “characteristic p ” analogous to several techniques over complex varieties that use differential forms and L^2 analysis. In this talk we focus on the concept of the F-pure threshold, show how we can compute it in several cases, and how we can use it to bound the log canonical threshold of complex polynomials. This talk is partially based upon arXiv:2606.04014.