

Department of Mathematics, BGU

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# AGNT

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*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.