

Department of Mathematics, BGU

AGNT

On *Wednesday, April ,23 2025*

At *14:10 – 15:10*

In *101-*

George Papas (Weizmann)

will talk about

p-adic values of G-functions and Zilber-Pink in $\mathcal{A}_2$

Abstract: The Zilber-Pink conjecture is a far reaching and widely open conjecture in the area of “unlikely intersections” generalizing many previous results in the area, such as the recently established André-Oort conjecture. Recently the “G-functions method” of Y. André has been able to consistently establish the missing arithmetic result needed to establish cases of this conjecture for Shimura varieties. I will discuss how, using properties of the p-adic values of G-functions, we can get new cases of this conjecture in $\mathcal{A}_2$.