

Department of Mathematics, BGU

AGNT

On Wednesday, January ,15 2025

At 15:10 – 16:10

In 101-

Borys Kadets (HUJI)

will talk about

**Groups of points on abelian and Jacobian varieties
over finite fields. Please note the unusual time!**

Abstract: I will describe various results, some old and some new, on the structure of the groups of points of an abelian variety over a finite field. The talk will focus on the case of varieties of large dimension over a fixed finite field. In this regime, the Weil bounds allow for the possibility of the exponent of the group staying bounded as the dimension grows. I will explain that at least in the case of Jacobians this cannot be the case. Part of the talk is based on recent joint work with Daniel Keliher.

Please Note the Unusual Time!