

Department of Mathematics, BGU

AGNT

On Wednesday, November ,5 2025

At 14:10 – 15:10

In 101-

Eyal Markman (Amherst)

will talk about

Secant sheaves and Weil classes

Abstract: We will describe a general strategy for proving the algebraicity of the Hodge Weil classes on abelian varieties of Weil type. The latter are even dimensional abelian varieties admitting a suitable embedding of a CM number field in their rational endomorphism ring. We will describe the implementation of the strategy for abelian varieties of dimension 4 and ,6 and why it implies the Hodge conjecture for abelian varieties of dimension at most .5

Please Note the Unusual Place!