Department of Mathematics, BGU

AGNT

On *Wednesday, May 1, 2019*

At *15:10 − 16:25*

In *-101*

Magnus Carlson (HUJI)

will talk about

Chern-Simons theory for number fields.

Abstract: In a series of recent papers, Minhyong Kim defined an arithmetic analogue of topological Chern-Simons theory. In this talk, I will introduce this arithmetic Chern-Simons theory and then explain how to compute the arithmetic Chern-Simons invariant for finite, cyclic gauge groups. I will then give some recent applications of these computations.

My work in this talk is based on joint works with Tomer Schlank and Eric Ahlquist.