
THE WEIZMANN INSTITUTE OF SCIENCE
FACULTY OF MATHEMATICS AND COMPUTER SCIENCE
Algebraic Geometry and Representation Theory Seminar

on Wednesday, May 19, 2021 at 16:30

<https://weizmann.zoom.us/j/98304397425>

Nadav Gropper Oxford University

Anabelian construction of ϕ -Gamma modules

Abstract:

Anabelian geometry asks how much can we say about a variety from its fundamental group. In 1997 Shinichi Mochizuki, using p-adic Hodge theory, proved a fundamental anabelian result for the case of p-adic fields. In my talk I will discuss representation theoretical data which can be reconstructed from an absolute Galois group and also types of representations that cannot be constructed solely from it. I will also sketch how these types of ideas can potentially give many new results about p-adic Galois representation