



Graduate Mathematics Seminar Series

Introduction to Representation Theory of Groups

By

Esat Akın
(Bilkent University)

Abstract: Representation Theory studies algebraic structures through their manifestations in other mathematical objects. In the first half of this talk, we explore the philosophy of the theory through a variety of examples, including group representations in Harmonic Analysis, Quantum Physics, and Number Theory. We then shift our focus to the study of finite group representations, discussing historical developments and emerging functorial methods within the theory.

Advisor: Assoc. Prof. Laurence Barker

Date: March 20, Thursday, 2025

Time: 17:30 – 18:30

Place: SA – Z01