



# ALGEBRA SEMINAR

## On the influence of the fixed points of an automorphism to the structure of a group

By

**Muhammet Yasir Kızmaz**  
(Bilkent)

**Abstract:** In this talk, we will begin by recalling Thompson's result on the fixed point-free automorphisms of prime orders its connection with Frobenius groups. Then we give two different extensions of this theorem with its new applications.

**Date:** Monday, 14 October 2024

**Time:** 11:00 – 12:00

**Place:** SA141 - Mathematics Seminar Room