



PLENARY LECTURES

Commuting probability for subgroups in finite group.

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Monday, February 05, 2024.

9h30 - 10h30

FT - Auditorium

Abstract.

In this talk I will discuss some problems concerning commuting probability of subgroups in finite groups. The commuting probability of a finite group G is defined to be the probability that two randomly chosen group elements commute. Following a review of some classical results on the commuting probability of G , we will discuss the behavior of commuting probability when considering relevant subgroups of G , particularly focusing on Sylow subgroups.