Algebra Seminar

Graphs of Groups and Realizing Fusion Systems

BY

Muhammed Said Gündoğan

Abstract: A Graph of groups consists of a graph, groups assingned to vertices and edges and injective morphisms from edge groups to vertex groups. The fundamental group of the space obtained by gluing the classifying spaces of these groups is called the fundamental group of the graph of groups. Informally, we glue groups with the help of topology.
We can realize any saturated fusion system by obtaining an infinite group from finite groups with this method.

Date: March 12, 2018 Monday
Time: 10:40+
Place: Mathematics Seminar Room, Bilkent.

Tea and biscuits will be served before the seminar. You are most cordially invited.