

MATH COLLOQUIUM

Free Group Actions on Manifolds

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Date : Wednesday, December 30, 2009

Time : 14:00

Place : TB 250, Boğaziçi Üniversitesi

Abstract: Given a manifold M characterize the finite groups which can act freely on M . The study of this problem breaks up into two distinct aspects: (1) finding group theoretic restrictions on finite groups that can act freely on M ; and (2) constructing explicit free actions of finite groups on M . In the case when M is a sphere, the problem is called the topological space form problem and both aspects of this problem have been well studied. As a natural continuation, we will discuss the case when M is a product of two equidimensional spheres.

Tea and coffee will be served at 15:00