Boğaziçi
MATH COLLOQUIUM

Geometric Representation in the Theory of Pseudofinite Fields

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Abstract: Groups which are attached to theories of fields, appearing in models of the theory as the automorphism groups of intermediate fields are called *geometrically represented*. We will discuss the concept "geometric representation" in the case of pseudo finite fields. Then will show that any finite group which is geometrically represented in a pseudo-finite field must be abelian. This result also generalizes to bounded PAC fields. This is joint work with Zoe Chatzidakis.

Date : Wednesday, March 1, 2017
Time: 15:00
Place: TB 250, Boğaziçi University