

JOB TALK

Generic Galois Extensions for Families of Finite Groups

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Abstract: In order to answer a question of Noether about the rationality of invariant spaces, David Saltman defined the notion of generic Galois extensions. A generic Galois extension for a group G over a field k is a versal G -torsor over a rational base and the existence of generic Galois extensions is known for certain families of finite groups due to the work of Saltman and others. We shall talk about the existence of generic Galois extensions for central extensions of symmetric groups and also for dihedral groups with certain conditions on the base field.

Wednesday, May 19, 2010, 4:00 pm
Mathematics and Science Center: W303

Refreshments will be served at 3:30pm in the Math/CS Break Room.

MATHEMATICS AND COMPUTER SCIENCE
EMORY UNIVERSITY