Welcome to International Group Theory Web Seminar

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*"**Golod-Shafarevich groups.**"*

Mar 31, 12:00pm (New York Time).

Abstract:

Golod-Shafarevich groups can be informally described as groups having a presentation with a small set of relators. They have been introduced almost 50 years ago as a tool for solving two outstanding problems: the existence of infinite class field towers and the existence of infinite finitely generated periodic groups. Since then Golod-Shafarevich groups have been used to settle many other problems in combinatorial and geometric group theory as well as some questions in three-manifold topology.
I will give a survey of the main results about Golod-Shafarevich groups and the techniques used in the proofs and discuss some open problems.

Next presentation: Apr 14. Abderezak Ould Houcine, TBA

Algebraic Cryptography Center