

ATELIER « ÉQUATIONS ET PROPRIÉTÉS DU PREMIER ORDRE DANS LES GROUPES »
11 – 15 OCTOBRE 2010

WORKSHOP ON “EQUATIONS AND FIRST-ORDER PROPERTIES IN GROUPS”
OCTOBER 11 – 15, 2010

Topics in Extremal Combinatorics

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Extremal Combinatorics is one of the most important branches of discrete mathematics that has undergone a period of spectacular growth in recent decades. Loosely speaking, it studies how large (or small) a collection of finite objects can be if it has to satisfy certain restrictions.

In this lecture I will be able to review only a handful of classical results and techniques from this vast field. My selection will be highly biased and reflecting personal taste. While some of the material will set the stage for the October 14 lecture, most of it will be included due to its own beauty, elegance and importance.

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