

Winter School in Abstract Analysis 2014
Abstract

SECTION: SET THEORY & TOPOLOGY

Extremal disconnectedness and ultrafilters

Ulises Ariet Ramos-García

Universidad Nacional Autónoma de México, Morelia México

`ariet@matmor.unam.mx`

We investigate certain ultrafilters on ω associated to extremally disconnected topological spaces. This is closely related to a 1967 problem of A. V. Arhangel'skii about the existence of a nondiscrete extremally disconnected topological group. (Joint work with Michael Hrušák)