

Automorphism groups of spaces with many symmetries

Aleksandra Kwiatkowska

Mathematical Institute
University of Bonn

Resumo: We discuss the classical Fraïssé construction of countable structures which are very homogeneous as well as its dualization developed by Irwin and Solecki. Furthermore, we present applications in topology, we show how to construct the pseudo-arc and the Lelek fan, compact and connected spaces which are of great interest to continuum theorists, using this dual Fraïssé construction.

If time permits, we will discuss several properties of the homeomorphism group of the Lelek fan, which were obtained in a joint work with Dana Bartosova.