

Oberseminar Topologie: 02.06.2021

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„The topology at infinity of an arithmetic group“

Abstract:

Let  $G$  be an arithmetic group like  $SL(n, \mathbb{Z})$ . Borel and Serre proved a beautiful theorem showing that the topology of  $G$  “at infinity” can be modeled by an appropriate Tits building. I will discuss a circle of ideas combining insights from topology, number theory, and representation theory to use this to shed light on  $G$  and its subgroups.