Closed subgroups and reducts of homogeneous structures

Csaba Szabó

Eötvös Loránd University

Budapest, Hungary

The random graph, the rational numbers, the universal poset are widely investigated homogeneous structures. The first order definable reducts of these structures are in a one-to-one correspondence with the closed supergroups of their automorphism groups. Recently new techniques were developed to find these intermediate reducts. I will sketch a few ideas about how to find the reducts of a homogeneous structure and the corresponding subgroups.