

## Profinite groups with abelian centralizers

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**Abstract.** Profinite groups in which the centralizer of any non-identity element is abelian (i.e., profinite CA-groups) are also known as profinite commutativity-transitivity groups. In this talk I shall present a dichotomy theorem obtained with P. Shumyatsky and P. Zalesskii (2019, Israel J. Math, v. 230): *Any profinite CA-group has a finite index closed subgroup that is either abelian or pro- $p$ .*

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