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Nielsen realisation for untwisted automorphisms of right-angled Artin groups. (English)
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Summary: We prove Nielsen realisation for finite subgroups of the groups of untwisted outer automorphisms of RAAGs in the following sense: given any graph $\Gamma$, and any finite group $G \leq U^0(A_\Gamma) \leq \text{Out}^0(A_\Gamma)$, we find a non-positively curved cube complex with fundamental group $A_\Gamma$ on which $G$ acts by isometries, realising the action on $A_\Gamma$.

MSC:
20F36 Braid groups; Artin groups
20F28 Automorphism groups of groups
20F34 Fundamental groups and their automorphisms (group-theoretic aspects)
20F65 Geometric group theory

Full Text: DOI arXiv