A note on the exterior centralizers and the probability of commuting pairs

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Abstract. We show two structural results for the subclass of $FC^\wedge$-groups, belonging to the well-known class of groups with finite conjugacy classes (i.e., FC-groups). We focus on linear $FC^\wedge$-groups and on the notion of exterior centralizer in the nonabelian exterior square of groups. Final comments show the relevance of $FC^\wedge$-groups and FC-groups in the theory of commuting probabilities of topological groups.

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