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Abstracts of Short Communications and Posters

Section:

2. Algebra

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Frobenius groups with many involutions
A *Frobenius group* is a (possibly infinite) group which acts transitively, but not regularly on a set such that one point stabilizers are fixed point free.
Frobenius groups with a transitive subset of involutions are characterized as quasidirect products of a K-loop L by an appropriate automorphism group of L. This generalizes the famous theorem for certain finite Frobenius groups.
It also generalizes Karzel's approach to describe sharply 2-transitive groups using neardomains.