

Belyavskaya, G. B.

Complete direct decompositions of quasigroups with an idempotent. (Russian)

Zbl 0746.20053

Mat. Issled. 113, 21-36 (1990).

The author proves that if $Q(\cdot)$ is a quasigroup with the idempotent element h and Q has the direct decompositions $A \times B$ and $A' \times B$ where A , A' and B are normal subquasigroups, $h \in A \cap A' \cap B$, then there exists an α h -central automorphism of $Q(\cdot)$ with id_B and $\alpha(A) = A'$. The result is extended to direct decompositions of normal subquasigroups A_1, \dots, A_n and A'_1, \dots, A'_m .

Reviewer: [M.Csikós \(Gödöllő\)](#)

MSC:

[20N05](#) Loops, quasigroups

Cited in 1 Document

Keywords:

direct decompositions; normal subquasigroups; automorphism

Full Text: [EuDML](#)