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Abstract In this paper ...

1. Introduction

A groupoid is *medial* if it satisfies the identity $wx \cdot yz = wy \cdot xz$. A groupoid is *trimedial* if every subgroupoid generated by 3 elements is medial.

In [3] it is proved that a quasigroup satisfying the following three identities must be trimedial.

$$xx \cdot yz = xy \cdot xz \tag{1}$$

$$yz \cdot xx = yx \cdot zx \tag{2}$$

$$(x \cdot xx) \cdot uv = xu \cdot (xx \cdot v) \tag{3}$$

The converse is trivial, and so these three identities characterize trimedial quasigroups. Here, we show that, in fact, (2) and (3) are sufficient to characterize this variety (as a subvariety of the variety of quasigroups).

2. Medial quasigroups

Theorem 2.1. Let G be a quasigroup...

Proof. If G is a quasigroup... □

Corollary 2.2. Let G be a quasigroup...

Remark 1. It is only an example. The paper accepted for publication in our journal must be prepared in Latex, Amstex or similar style preserving the general convention presented in this form. The bibliography should be prepared in the alphabetic order.

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References

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- [2] **M. A. Kazim and M. Naseeruddin**, *On almost-semigroups*, The Alig Bull. Math. **2** (1972), 1 – 7.
- [3] **T. Kepka**, *Structure of triabelian quasigroups*, Comment. Math. Univ. Carolin. **17** (1976), 229 – 240.

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