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Free distributive groupoids. (English) Zbl 0686.20041
J. Pure Appl. Algebra 61, No. 2, 123-146 (1989).

Let F be an absolutely free groupoid and E a free monoid of rank 2. If $r, s, u, v, w \in F$ are such that $r = u.vw$ is a subterm of s and if $e \in E$ is its address in s , then $\bar{e}(s)$ is the term obtained from s after replacing r by $uv.uw$. All these partial transformations \bar{e} , $e \in E$, generate a monoid and the main result of the paper is the following: Theorem. Let $f, g \in S$. Then $hf = kg$ for some $h, k \in S$ such that $dom(hf) = dom(f) \cap dom(g)$.

Reviewer: [T.Kepka](#)

MSC:

[20M05](#) Free semigroups, generators and relations, word problems
[08B05](#) Equational logic, Mal'tsev conditions
[20M20](#) Semigroups of transformations, relations, partitions, etc.

Cited in **1** Review
Cited in **23** Documents

Keywords:

[free groupoid](#); [free monoid](#); [partial transformations](#)

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