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## SOME PROPERTIES OF LATERALLY COMMUTATIVE HEAPS. CONSTRUCTION OF SUCH HEAPS IN DESARGUES PLANE

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## Abstract

In this paper we study some properties of heaps like algebraic structure with a ternary operation in combination with types of groupoids, introducing meanings of ternary operation from multiplication, heaps from multiplication and of ternargroupoid. Further, we constructed a laterally commutative heap in Desargues plane.

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Key Words: Ternary operation from multiplication, Heaps from multiplication, Right solvable Ward groupoid, Ternary groupoid, Laterally commutative heap, Subtractive groupoid, Desargues plane.

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