

**Meeting:** 1128, Pullman, Washington, SS 5A, Special Session on Combinatorial and Algebraic Structures in Knot Theory

**Yuri Movsisyan\***, Alex Manoogian 1, Yerevan State University, 0025 Yerevan, Armenia. *On the Belousov Variety.*

The concept of Belousov quasigroup is introduced and it is proved that the nontrivial Belousov quasigroup has at least five elements. The variety of Belousov quasigroups is a subvariety of the Mikado variety. The Belousov variety has a solvable word problem and is congruence-permutable. Every Belousov quasigroup of prime order is a simple algebra. To solution of the following problem is open: To which loops are Belousov quasigroups isotopic? (Received February 27, 2017)

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