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ON STEINER LOOPS AND POWER ASSOCIATIVITY

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This paper is dedicated to Professor Themistocles M. Rassias.

Submitted by K. Ciesielski

ABSTRACT. In this paper we investigate Steiner loops introduced by N.S. Mendelsohn [Aeq. Math. 6 (1991), 228–230] and provide six (seven) equivalent identities to characterize it. We also prove the power associativity of Bol loops by using closure (Hexagonal) conditions.

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