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*The Cayley graph and the growth of Steiner loops*

Comment.Math.Univ.Carolin. 55,4 (2014) 493–498.

**Abstract:** We study properties of Steiner loops which are of fundamental importance to develop a combinatorial theory of loops along the lines given by Combinatorial Group Theory. In a summary we describe our findings.

**Keywords:** free Steiner loops; Cayley graph; growth

**AMS Subject Classification:** 20N05

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