
MR1287725 (95f:05017) 05B05**Gardner, Robert B. [Gardner, Robert Bentley] (1-ETNS)****Steiner triple systems with transrotational automorphisms. (English summary)***Discrete Math.* **131** (1994), *no. 1-3*, 99–104.

A Steiner triple system of order v is said to be k -transrotational if it admits an automorphism consisting of a fixed point, a transposition, and k cycles of length $(v-3)/k$. Using directed constructions, the author obtains necessary and sufficient conditions for the existence of 1- and 2-transrotational Steiner triple systems.

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