

# Automorphisms of Steiner triple systems

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## **Abstract**

Abstract: Steiner triple systems are among the simplest and most intensively studied combinatorial designs. Their origins go back to the 1840s, and there exists by now a sizeable literature on the topic. In 1980, Babai proved that almost all Steiner triple systems have no non-trivial automorphism. On the other hand, there exist Steiner triple systems with large automorphism groups. We will discuss questions dealing with classification of "highly symmetric" Steiner triple systems, as well as some open problems in the area.