



VERTEX-TRANSITIVE NUMBERS OF GRAPHS

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A graph is vertex-transitive if its automorphism group acts transitively on its vertices. A vertex-transitive closure of a graph G is any vertex-transitive graph that contains G as its spanning subgraph. The vertex-transitive number of G is the smallest possible degree of its vertex-transitive closure. In this talk we will explain motivation for studying this relatively new concept. Furthermore, we will formulate various interesting questions and in some cases also provide (at least partial) answers to them.

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