

TETRAVALENT ARC-TRANSITIVE GRAPHS OF ORDER $3p^2$

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Abstract

Let s be a positive integer. A graph is s -transitive if its automorphism group is transitive on s -arcs but not on $(s + 1)$ -arcs. Let p be a prime. In this article a complete classification of tetravalent s -transitive graphs of order $3p^2$ is given.

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