

The complete bipartite graphs which have exactly two orientably edge-transitive embeddings*

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Abstract

In 2018, Fan and Li classified the complete bipartite graph $K_{m,n}$ that has a unique orientably edge-transitive embedding. In this paper, we extend this to give a complete classification of $K_{m,n}$ which have exactly two orientably edge-transitive embeddings.

Keywords: Bipartite graphs, edge-transitive embeddings.

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Polni dvodelni grafi, ki imajo natančno dve orientabilni povezavno tranzitivni vložitvi*

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Povzetek

Leta 2018 sta Fan and Li klasificirala polne dvodelne grafe $K_{m,n}$, ki imajo natančno eno orientabilno povezavno tranzitivno vložitev. V tem članku naredimo korak naprej v smeri klasifikacije in predstavimo popolno klasifikacijo grafov $K_{m,n}$, ki imajo natančno dve orientabilni povezavno tranzitivni vložitvi.

Ključne besede: Dvodelni grafi, povezavno tranzitivne vložitve.

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