

MR1431953 (97i:05103) 05C70 05C20 05C25

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Decompositions of the complete digraph into each of the orientations of a 4-cycle which admit a certain automorphism. (English summary)

Proceedings of the Twenty-seventh Southeastern International Conference on Combinatorics, Graph Theory and Computing (Baton Rouge, LA, 1996).

Congr. Numer. **120** (1996), 33–39.

Summary: “A decomposition of the complete digraph on v vertices, D_v , is said to be f -cyclic if it admits an automorphism consisting of f fixed points and a single cycle of length $v - f$. Necessary and sufficient conditions are given for the existence of f -cyclic decompositions of the complete digraph into each of the four orientations of a 4-cycle.”

{For the collection containing this paper see [MR1431950](#)}

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