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


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}