عنوان مقاله:

Kernels in circulant digraphs

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خلاصه مقاله:

A kernel J of a digraph D is an independent set of vertices of D such that for every vertex $w\,\in\,V(D)\,\setminus\,J$ there exists an arc from w to a vertex in J. In this paper, among other results, a characterization of ۲-regular circulant digraph having a kernel is obtained. This characterization is a partial solution to the following problem: Characterize circulant digraphs which have kernels; it appeared in the book Digraphs - theory, algorithms and applications, Second Edition, Springer-Verlag, ۲۰۰۹, by J. Bang-Jensen and G. Gutin.

کلمات کلیدی:

Kernel, Symmetric Digraphs, Circulant Digraph

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