Journal of Mathematical Inequalities
Volume 9, Number 3 (2015), 799–810
doi:10.7153/jmi-09-66

ON THE EXTREMAL ENERGY OF BICYCLIC DIGRAPHS

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Abstract. The eigenvalues of a graph are the eigenvalues of its adjacency matrix. The energy of a graph is the sum of absolute values of its eigenvalues. Recently, the concept of energy of graphs is extended to digraphs. Minimal and maximal energy among n-vertex unicyclic digraphs is known, where $n \geqslant 2$. In this paper, we address the problem of finding minimal and maximal energy among n-vertex bicyclic digraphs which contain vertex-disjoint directed cycles, where $n \geqslant 4$.

Mathematics subject classification (2010): 05C35, 05C50.
Keywords and phrases: Energy of digraphs, bicyclic digraphs.

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Paper JMI-09-66