The upper bounds of the spectral radius of a graph

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Abstract

The spactral radius of a graph is the spectral radius of its adjacency matrix. We use a new method to find upper bounds of the spectral radius of a graph and apply the bounds to some extremal problems about graphs and its spectral radii. This is a joint work with Chih-wen Weng.

Keywords: graph, spectral radius, extremal problem.

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