

A matrix realization of spectral bounds

Chih-wen Weng

Department of Applied Mathematics,
National Yang Ming Chiao Tung University,
1001 University Road, Hsinchu, Taiwan

Abstract

By considering a modified quotient of a nonnegative matrix, we establish an upper bound for its largest real eigenvalue. This is a joint work with Yen-Jen Cheng.

Keywords: nonnegative matrices, spectral radius, spectral bounds