A GENERALIZATION FOR THE CLIQUE AND INDEPENDENCE NUMBERS

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Abstract. In this paper, lower and upper bounds for the clique and independence numbers are established in terms of the eigenvalues of the signless Laplacian matrix of a given graph $G$.

Key words. Clique and independence numbers, Signless Laplacian eigenvalues.

AMS subject classifications. 05C50, 15C12, 15F10.