THE SIGNLESS LAPLACIAN SPECTRAL RADIUS OF BICYCLIC GRAPHS WITH A GIVEN GIRTH

ZHONGXUN ZHU†

Abstract. Let $B(n, g)$ be the class of bicyclic graphs on $n$ vertices with girth $g$. In this paper, the graphs in $B(n, g)$ with the largest signless Laplacian spectral radius are characterized.

Key words. Bicyclic graph, Signless Laplacian matrix, Signless Laplacian spectral radius.

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