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

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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.

AMS subject classifications. 05C69, 05C05.