

A TIGHT LOWER BOUND ON THE MAXIMUM GENUS OF 3-EDGE CONNECTED LOOPLESS GRAPHS

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摘要 It is shown that the lower bound on the maximum genus of a 3-edge connected loopless graph is at least one-third of its cycle rank. Moreover, this lower bound is tight. There are infinitely such graphs attaining the bound.

关键词 [Maximum genus, 3-edge connect](#)

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Key words [Maximum genus](#) [3-edge connected loopless graph](#) [lower bound](#)

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