

Unavoidable Immersions of 3-Edge-Connected Graphs

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Oporowski, Oxley, and Thomas showed that there is a function f such that every 3-connected graph of sufficient order, $f(n)$, contains a minor isomorphic to a wheel, W_n , or $K_{3,n}$. We prove an analogous result for immersion, giving the unavoidable immersions of 3-edge-connected graphs, and a conjecture for the unavoidable immersions of 4-edge-connected graphs.

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