

Robertson, Neil; Seymour, P. D.

Graph minors. XX: Wagner's conjecture. (English) Zbl 1061.05088
J. Comb. Theory, Ser. B 92, No. 2, 325-357 (2004).

This paper is the culmination of a series investigating graph minors. In this work the authors prove Wagner's conjecture: every infinite set of finite graphs contains one graph that is isomorphic to a minor of another. As a corollary: for every class of finite graphs closed under taking minors, there is a finite list of excluded minors characterizing that class.

The result is of fundamental importance in graph theory.

Reviewer: [Dan S. Archdeacon \(Burlington\)](#)

MSC:

05C83 Graph minors
05C65 Hypergraphs
05C10 Planar graphs; geometric and topological aspects of graph theory
57M15 Relations of low-dimensional topology with graph theory

Cited in **9** Reviews
Cited in **293** Documents

Keywords:

[graph](#); [minor](#); [surface embedding](#); [well-quasi-ordering](#)

Full Text: [DOI](#)

References:

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- [2] Robertson, N.; Seymour, P.D., Graph minors. X. obstructions to tree-decomposition, *J. combin. theory ser. B*, 52, 153-190, (1991) · [Zbl 0764.05069](#)
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