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Algebraic graph theory. 2nd ed. (English) [Zbl 0797.05032](#)

[Cambridge Mathematical Library](#). Cambridge: Cambridge University Press (ISBN 0-521-45897-8; 978-0-511-60870-4/ebook). 205 p. (1994).

As the author points out in the preface this volume is an enlarged version of the monograph with the same title published in 1974 (see [Zbl 0284.05101](#)). The book is divided into the following parts: (1) Linear algebra in graph theory; (2) Colouring problems; (3) Symmetry and regularity. Each part consists of a number of short chapters. At the end of each chapter the reader will find a large portion of “Additional results” (206 results in all). They cover most of the major advances in the last twenty years.

Reviewer: [J.Sedláček \(Praha\)](#)

MSC:

- [05Cxx](#) Graph theory
- [05C15](#) Coloring of graphs and hypergraphs
- [05C25](#) Graphs and abstract algebra (groups, rings, fields, etc.)
- [05-02](#) Research exposition (monographs, survey articles) pertaining to combinatorics
- [05C99](#) Graph theory
- [05B20](#) Combinatorial aspects of matrices (incidence, Hadamard, etc.)

Cited in **7** Reviews
Cited in **167** Documents

Keywords:

[linear algebra](#); [colouring](#); [symmetry](#); [regularity](#)

Full Text: [DOI](#)