

**Bourbaki, Nicolas**

**Elements of mathematics. Algebra II. Chapters 4–7. Transl. from the French by P. M. Cohn and J. Howie. Reprint of the 1990 English translation.** (English) [Zbl 1017.12001](#)

Berlin: Springer. vii, 461 p. (2003).

The publisher is to be congratulated for making Bourbaki volumes available again at a moderate price. This book is a reprint of the English translation (1990) (see [Zbl 0719.12001](#)) Algebra II, Chapters 1-3 have been reprinted already in 1998 (see [Zbl 0904.00001](#)).

Reviewer: [A.Akutowicz \(Berlin\)](#)

**MSC:**

- [12-02](#) Research exposition (monographs, survey articles) pertaining to field theory
- [13-02](#) Research exposition (monographs, survey articles) pertaining to commutative algebra
- [00A05](#) Mathematics in general
- [12Fxx](#) Field extensions
- [12J15](#) Ordered fields
- [13F10](#) Principal ideal rings
- [13C10](#) Projective and free modules and ideals in commutative rings
- [12E05](#) Polynomials in general fields (irreducibility, etc.)
- [06F15](#) Ordered groups
- [05E05](#) Symmetric functions and generalizations

Cited in **33** Documents

**Keywords:**

ordered fields; ordered groups; polynomials; rational fraction; power series; symmetric functions; commutative fields; principal ideal domain