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Remarks on special ideals in lattices. (English) [Zbl 0812.06002](#)
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Summary: The author studies some characteristic properties of semiprime ideals. Semiprimeness is also used to characterize distributive and modular lattices. Prime ideals are described as the meet-irreducible semiprime ideals. D -radicals of ideals are introduced and investigated. In particular, the prime radicals are determined by means of \widehat{C} -radicals. In addition, a necessary and sufficient condition for the equality of prime radicals is obtained.

MSC:

[06B10](#) Lattice ideals, congruence relations

Keywords:

prime ideal; congruence; allele; lattice polynomial; kernel; forbidden exterior quotients; distributive lattices; semiprime ideals; modular lattices; D -radicals; prime radicals

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