

**Jenei, Sándor; Kóródi, László****On the variety of equality algebras.** (English) [Zbl 1254.08004](#)

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Summary: Equality algebras have recently been introduced. A subclass of equality algebras, called equivalential equality algebras is closely related to BCK-algebras with meet. We show that the variety of equality algebras has nice properties: We investigate their congruences and filters and prove that the variety of equality algebras is a 1-regular, arithmetic variety.

For the entire collection see [\[Zbl 1226.03005\]](#).

**MSC:**

**08B10** Congruence modularity, congruence distributivity  
**08A30** Subalgebras, congruence relations  
**06F35** BCK-algebras, BCI-algebras

[Cited in 1 Document](#)**Keywords:**

equality algebra; BCK-algebra; 1-regular; congruence permutable variety; congruence distributive variety

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