

**Chajda, I.**

**Relatively pseudocomplemented directoids.** (English) Zbl 1212.06004

*Commentat. Math. Univ. Carol.* 50, No. 3, 349-358 (2009).

Summary: The concept of relative pseudocomplement is introduced in a commutative directoid. It is shown that the operation of relative pseudocomplementation can be characterized by identities and hence the class of these algebras forms a variety. This variety is congruence weakly regular and congruence distributive. A description of congruences via their kernels is presented and the kernels are characterized as the so-called  $p$ -ideals.

**MSC:**

[06A12](#) Semilattices

[06D15](#) Pseudocomplemented lattices

[08B10](#) Congruence modularity, congruence distributivity

Cited in 1 Document

**Keywords:**

directoid; relative pseudocomplementation; filter; congruence distributivity; congruence weak regularity

**Full Text:** [EMIS](#) [EuDML](#)