

COMMUTATIVE DIRECTOIDS WITH SECTIONALLY ANTITONE BIJECTIONS

IVAN CHAJDA, MIROSLAV KOLAŘÍK

*Department of Algebra and Geometry
Palacký University Olomouc
Tomkova 40, 779 00 Olomouc, Czech Republic*

e-mail: chajda@inf.upol.cz

e-mail: kolarik@inf.upol.cz

AND

SÁNDOR RADELECZKI

*Institute of Mathematics University of Miskolc
3515 Miskolc-Egyetemváros, Hungary*

e-mail: matradi@gold.uni-miskolc.hu

Abstract

We study commutative directoids with a greatest element, which can be equipped with antitone bijections in every principal filter. These can be axiomatized as algebras with two binary operations satisfying four identities. A minimal subvariety of this variety is described.

Keywords: directoid, section antitone bijection, implication algebra, double implication algebra.

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