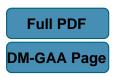
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COMMUTATIVE DIRECTOIDS WITH SECTIONALLY ANTITONE BIJECTIONS

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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