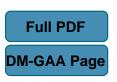
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BOOLEAN FILTERS IN PSEUDO-COMPLEMENTED ALMOST DISTRIBUTIVE LATTICES

$N. Rafi^1$

Department of Mathematics, Bapatla Engineering College Bapatla, Andhra Pradesh, India – 522101

e-mail: rafimaths@gmail.com

RAVI KUMAR BANDARU

Department of Engineering Mathematics, GITAM University Hyderabad Campus, India – 502329

e-mail: ravimaths83@gmail.com

AND

G.C. RAO

Department of Mathematics, Andhra University Visakhapatnam, Andhra Pradesh, India – 530003

e-mail: gcraomaths@yahoo.co.in

Abstract

In this paper we have introduced the concept of Boolean filters in a pseudo-complemented Almost Distributive Lattice (pseudo-complemented ADL) and studied their properties. Finally, a Boolean filter is characterized in terms of filter congruences.

Keywords: Almost Distributive Lattice (ADL), pseudo-complemented ADL, Boolean filter, maximal filter, congruence, Boolean algebra.

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¹Corresponding author.

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