ON TWO CLASSES OF PSEUDO-BCI-ALGEBRAS

Grzegorz Dymek

Faculty of Mathematics and Natural Sciences
The John Paul II Catholic University of Lublin
Konstantynów 1H, 20–708 Lublin, Poland

e-mail: gdymek@o2.pl

Abstract

The class of p-semisimple pseudo-BCI-algebras and the class of branchwise commutative pseudo-BCI-algebras are studied. It is proved that they form varieties. Some congruence properties of these varieties are displayed.

Keywords: pseudo-BCI-algebra, p-semisimplicity, branchwise commutativity.

2010 Mathematics Subject Classification: 03G25, 06F35.

References


Received 3 June 2011
Revised 25 July 2011