

## FOLDNESS OF COMMUTATIVE IDEALS IN BCK-ALGEBRAS

CELESTIN LELE

*University of Dschang, Department of Mathematics*  
*BP 67 Dschang, Cameroon*

**e-mail:** lele\_clele@yahoo.com

AND

SALISSOU MOUTARI

*Laboratory J. A Dieudonné UMR CNRS N° 6621*  
*University of Nice-Sophia Antipolis*  
*Parc Valrose 06108 Nice Cedex 2, France*

**e-mail:** salissou@math.unice.fr

### Abstract

This paper deals with some properties of  $n$ -fold commutative ideals and  $n$ -fold weak commutative ideals in BCK-algebras. Afterwards, we construct some algorithms for studying foldness theory of commutative ideals in BCK-algebras.

**Keywords:** BCK-algebra, fuzzy point,  $n$ -fold commutative ideals,  $n$ -fold weak commutative ideals.

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