

## CAUCHY'S THEOREM FOR B-ALGEBRAS

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Received September 5, 2017 ; revised December 3, 2017

ABSTRACT. In this paper, we establish the Cauchy's Theorem for B-algebras. We also present some implications of Lagrange's Theorem and Cauchy's Theorem for B-algebras. In particular, the concept of  $B_p$ -algebras is introduced.

*Key words and phrases.* B-algebras, Lagrange's Theorem, Cauchy's Theorem,  $B_p$ -algebras.