In this paper, a new notion, called TM-algebra, which is a generalization of the idea of Q/BCH/BCI/BCK/BCC-algebra, is introduced. Some theorems discussed in Q-and BCK algebras are generalized. Definition of TM-algebra along with various propositions are stipulated and presented with their respective proofs. The relation between TM-algebra and other algebra has been investigated and detailed in the paper. Also ideal, p-radical, p-semi simple are discussed.

Reference


Index Terms

Computer Science
Soft Computing

Key words

TM-Algebra
ideal
p-radical
p-semi simple