

## SUBLATTICES CORRESPONDING TO VERY TRUE OPERATORS IN COMMUTATIVE BASIC ALGEBRAS

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### Abstract

We introduce the concept of very true operator on a commutative basic algebra in a way analogous to that for fuzzy logics. We are motivated by the fact that commutative basic algebras form an algebraic axiomatization of certain non-associative fuzzy logics. We prove that every such operator is fully determined by a certain relatively complete sublattice provided its idempotency is assumed.<sup>1</sup>

**Keywords:** commutative basic algebra, very true operator, idempotent operator, relatively complete sublattice.

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