

ON SOME IMPLICATIONS ARISING IN DOUBLE p -ALGEBRAS

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Motivated by the fact that the intuitionistic implication may be defined as a term in distributive regular double p -algebras [1], we study the implicative reduct of not necessarily regular double p -algebras. The resulting algebras are a particular case of the so-called generalized Hilbert algebras that appear in [2].

Trabajo en conjunto con José Luis Castiglioni (CMaLP-Universidad Nacional de La Plata y CONICET Argentina).

Referencias

- [1] Katrinák, T. The Structure of distributive double p -algebras. Regularity and congruences. Algebra Univ. 3, 238–246 (1973).
- [2] Borzooei, R. A. and Shohani, J. On generalized Hilbert algebras. Italian Journal of Pure and Applied Mathematics 29, 71-86 (2012).