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TOTALLY REFLEXIVE, TOTALLY SYMMETRIC PATTERN ALGEBRAS

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Abstract. A k-ary relation ρ on a set A induces a partition of each power A^n into "patterns" in a natural way. An operation on A is called a ρ-pattern operation if its restriction to each pattern is a projection. We examine functional completeness of algebras with ρ-pattern fundamental operations in the case when ρ is the totally reflexive, totally symmetric relation of A.

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