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PATTERNS OF COMMUTATIVITY: THE COMMUTANT OF THE FULL PATTERN*

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Abstract. Identified are a number of conditions on square patterns that are closely related to allowing commutativity with the full pattern. Implications and examples that show non-implications are given, along with a graph that summarizes the provided information. A complete description of commutativity with the full pattern is given in both the irreducible case and the reducible case in which there are two irreducible components.

Key words. Commutativity, Matrix patterns.

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