

Symmetries of partial Latin rectangles

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Isotopism for Latin squares involves permuting the rows, columns, and symbols, and a slightly more general notion is paratopism, where we uniformly permute coordinates of entries (row index, column index, symbol index). In this context, symmetries are paratopisms which stabilize a Latin square. Further, all this naturally extends to partial Latin rectangles. In this talk, we'll survey some ongoing work on identifying partial Latin rectangles with interesting symmetry properties and computing their symmetry groups.