

# Partial Latin Squares with no Non-trivial Autotopisms and Six Autoparatopisms

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(joint work with Raúl Falcón)

If a partial Latin square has no non-trivial autotopisms (stabilizers under row, column, and symbol permutations), it can have at most six autoparatopisms (slightly generalizing the notion of autotopisms). We will discuss ongoing research into constructing these partial Latin squares.

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Keywords: autoparatopism; autotopism; partial Latin square.