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*Concurrence designs based on partial Latin rectangles autotopisms*

The set of isotopisms with a given cycle structure of  $r \times s$  partial Latin rectangles based on  $n$  symbols and the set of partial Latin rectangles which have one of such isotopism in their autotopism group determine an incidence structure which becomes a 1-design if we focus on each isotopism class. The points and blocks of such a design can be identified in order to determine a concurrence design, whose properties and parameters are analyzed in the current talk, as well as those conditions under which it becomes a PBIBD. A complete classification is exposed for small orders  $r, s, n \leq 5$ .