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A new algorithmic method to compute the chromatic number of dihedral group. (English)
Zbl 07372214

Summary: In this paper, we will compute the chromatic number of $D_9$, $D_{15}$, and we will present an algorithm to compute the chromatic number of any Latin square of $D_n$ (for all $n$) order.

MSC:
05B15 Orthogonal arrays, Latin squares, Room squares
05C15 Coloring of graphs and hypergraphs

Keywords:
Latin square; transversal; partial transversal; chromatic number; complete mapping; dihedral group

Full Text: DOI

References:

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