**Abstract**

# A Census of One-Factorizations of the Complete 3-Uniform Hypergraph of Order 9

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The one-factorizations of the complete 3-uniform hypergraph with 9 vertices, $K_9^3$, are classified by means of an exhaustive computer search. It is shown that the number of isomorphism classes of such one-factorizations is 103 000. This is joint work with Patric Östergård.