

## Implementation of Transportation Problem by Using the Method of Meta-Heuristics Approach

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In this paper authors will present analysis and implementation of possible solutions of vehicle routing problem that is based on simulated annealing method, which belongs to the category of meta-heuristic problem solving approaches. The described problem is rather complex linear programming problem from the field of operation research. Testing of developed applications in software package MATHEMATICA will be described. This application provides great possibilities when it comes to working with numerical algorithms, as well as in the field of symbolic and algebraic calculations.

**Keywords:** Transportation Problem, Linear Optimization, Vehicle Routing Problem, Met Heuristics Solving Approach, Simulated Annealing.