

UNIVERZA V LJUBLJANI
FAKULTETA ZA MATEMATIKO IN FIZIKO

Finančna matematika – 1. stopnja

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Genetski algoritem na problemu potujočega trgovca

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1. NAVODILO

Implement the genetic algorithm metaheuristic for TSP. Present the chromosomes as ordered lists i.e. as paths. Apply different variations for the crossover operations, such as order crossover (OX), partially mapped crossover (PMX), cycle crossover (CX), etc. Experiment with different sizes of the population. You can generate some of the testing graphs yourself, and you can find some of them on the Internet.

2. UVOD

3. OPIS DELA

4. ZAKLJUČEK

5. VIRI IN LITERATURA

LITERATURA

- [1] *Genetic algorithm*, v: Wikipedia: The Free Encyclopedia, [ogled 13. 12. 201], dostopno na https://en.wikipedia.org/wiki/Genetic_algorithm.
- [2] N. Kumar, Karambir in R. Kumar, *A Comarative Analysis of PMX, CX and OX Crossover operators for solving Travelling Salesman Problem*, [ogled 13. 12. 2018], dostopno na http://www.mnkjournals.com/ijlrst_files/Download/Vol%201%20Issue%202/303-%20Naveen.pdf.