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A nonstandard genetic algorithm for the nonlinear transportation problem. (English)

Zbl 0755.90078

ORSA J. Comput. 3, No. 4, 307-316 (1991).

Summary: We describe a nonstandard genetic algorithm approach to the nonlinear transportation problem. This extends our earlier research for the linear transportation problem. New “chromosome structures” and “genetic operators” are introduced to preserve feasibility. Results seem promising.

MSC:

90C30 Nonlinear programming

90C08 Special problems of linear programming (transportation, multi-index, data envelopment analysis, etc.)

68T05 Learning and adaptive systems in artificial intelligence

90-08 Computational methods for problems pertaining to operations research and mathematical programming

Cited in **14** Documents

Keywords:

genetic algorithm; nonlinear transportation

Software:

GAMS

Full Text: [DOI](#)