

论文

A MATHEMATICAL PROGRAMMING MODEL FOR THE COEXISTENCE OF COMPETITIONS AND COOPERATIONS PROBLEMS

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摘要 We study

in this paper a mathematical programming model for the coexistence of competitions and cooperations problems. We introduce a new solution concept, α -optimal solution for the problem, which always exists under compact and continuous conditions. It is shown that an α -optimal solution can be obtained by solving a nonlinear programming problem. Some examples are given to explain how to compute an α -optimal

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关键词 [Coexistence of competitions and cooperations problems](#)

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Abstract We study in this paper a mathematical programming model for the coexistence of competitions and cooperations problems. We introduce a new solution concept, α -optimal solution for the problem, which always exists under compact and continuous conditions. It is shown that an α -optimal solution can be obtained by solving a nonlinear programming problem. Some examples are given to explain how to compute an α -optimal solution.

Key words [Coexistence of competitions and cooperations problems](#) [\$\alpha\$ -optimal solution](#) [mathematical programming](#)

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