

数学与系统科学研究院

计算数学所学术报告

报告人: Prof. Nelson Maculan

( Federal University of Rio de Janeiro, Brazil )

报告题目:

Mathematical models with a polynomial number of variables and constraints for some combinatorial optimization problem in graphs

邀请人: 戴彧虹 研究员

报告时间: 2016 年 10 月 18 日(周二)  
下午 15:30-16:30

报告地点: 科技综合楼三层  
311 报告厅

## Abstract:

We present integer linear models with a polynomial number of variables and constraints for combinatorial optimization problems in graphs: optimum elementary cycles (whose traveling salesman problem), optimum elementary paths even in a graph with negative cycles, and optimum trees (whose Steiner tree problem) problems.

Keywords: modeling combinatorial optimization problems, optimization in graphs, characterization of connected subgraphs.

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