

数学与系统科学研究院

计算数学所学术报告

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报告题目:

**The Watermelon Algorithm for the  
Bilevel Integer Linear Programming  
Problem**

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**下午 16: 30-17: 30**

报告地点: **科技综合楼三层 311**

**计算数学所报告厅**

## **Abstract:**

**Discrete bilevel optimization problems have been studied for more than two decades, but there are only a handful of algorithms, most of which are heuristic in nature. We present a so-called Watermelon Algorithm for the bilevel integer linear programming problem, which can be proved to terminate finitely to the global optimal solution, if one exists. Potential applications and computational performance of the algorithm will be discussed.**

**欢迎大家参加!**