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：

Complexity of max-min-plus equation and binary decision diagram (I)

邀请人：　胡星标 研究员

报告时间：2016 年 8 月 17 日（周三）

　　　　　晚上 20:00-21:00

报告地点：　数学院南楼七层

　　　　　702 会议室

Abstract：

We discuss the complexity of solutions to digital evolutional equations. The equations can be described by max-min-plus form and we can solve them directly using formalism on max operations. There are various levels of complexity for the expression of solution and we define the complexity by the order of number of terms included in the solution.

On the other hand, binary decision diagram (BDD) widely used in the information theory is another tool to solve digital evolutional equations. We can evaluate the complexity of solutions using the software package to search the minimum complexity of BDD.

In the talks, first we explain about the complexity of solutions to max-min-plus equations. Then we show the effectiveness of binary decision diagram to evaluate the complexity.

欢迎大家参加！