数学与系统科学研究院

计算数学所博士后定期学术报告

报告人： **Dr. Yakui Huang**

（ *Institute of Computational Mathematics and Scientific/Engineering Computing, CAS* ）

报告题目：
Natural Gas Network Optimization

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下午 **16:00-17:00**

报告地点： 科技综合楼三层

311 报告厅

Abstract：

Natural gas is an essential energy source for the future. The natural gas transportation is a crucial activity performed by the gas industry. It is well known that pipelines represent the most economical means to transport large quantities of natural gas. We consider the problem of determining how to operate the compressor stations in a natural gas pipeline system so as to minimize the overall energy costs in the system while keeping the technological constraints. This problem is very important in the real world, since the amount of fuel used in a typical system is very high. We present a mixed-integer nonlinear programming model for a steady-state system. Detailed nonlinear physics are presented as well.

欢迎大家参加！