

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Michal Krizek**

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报告题目:

Do Einstein's equations describe reality well?

邀请人: 周爱辉 研究员

报告时间: **2019年5月6日 (周一)**

下午 16:00-17:00

报告地点: **数学院南楼七层**

702 教室

Abstract:

The current cosmological model, which is based on Einstein's equations, possesses many paradoxes. Therefore, we take a closer look at these equations themselves, and not only on cosmological scales. We will present 10 serious drawbacks of Einstein's equations. They include their extremely large complexity, non-differentiability of the metric, unexpected properties of Schwarzschild-like solutions, multiple divisions by zero, excessive extrapolations to cosmological distances leading to mysterious dark matter and dark energy entities, unconvincing relativistic tests, the absence of aberration effects, and scale non-invariance. Finally, we discuss a slight violation of the laws of conservation of energy and of momentum.

欢迎大家参加！