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 Moutard transformation of two-dimensional Dirac operators and conformal geometry of surfaces in the four-space

邀请人： 胡星标 研究员

报告时间：2016 年 11 月 21 日（周一）

上午 **11:00-12:00**

报告地点： 数学院南楼七层

702 教室

Abstract：

The Moutard transformation for a two-dimensional Dirac operator with a complex-valued potential is constructed. It is showed that this transformation relates the potentials of Weierstrass representations of surfaces related by a composition of the inversion and a reflection with respect to an axis. It is given an analytical description of an explicit example of such a transformation which results in a creation of double points on the spectral curve of a Dirac operator with a double-periodic potential.

欢迎大家参加！