

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 eta-Hermitian Solutions to Some
Systems of Real Quaternion Matrix
Equations**

邀请人: 白中治 研究员

报告时间: 2019 年 6 月 20 日 (周四)

晚上 20:30-21:30

报告地点: 数学院南楼七层

702 教室

Abstract:

In this talk, we derive some solvability conditions and the general solution to a system of real quaternion matrix equations. As an application, we present some necessary and sufficient conditions for the existence of an eta-Hermitian solution to some systems of real quaternion matrix equations. We also give the expressions of the general eta-Hermitian solutions to these systems when they are solvable. Some numerical examples are given to illustrate the results of this paper.

欢迎大家参加！