

数学与系统科学研究院

计算数学所学术报告

报告人: 胡广辉 教授

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报告题目:

**Finite element and integral equation
methods to wave scattering by locally
perturbed rough surfaces**

邀请人: 龚伟 副研究员

报告时间: 2017 年 4 月 26 日 (周三)

下午 16:00-17:00

报告地点: 科技综合楼三层

311 报告厅

Abstract:

In this talk I will review recent studies on the well-posedness of time-harmonic acoustic and electromagnetic scattering from locally perturbed rough surfaces (or the so-called cavities) of the Dirichlet and Neumann kind. Remarks on the Neumann boundary value problem will be given. New uniqueness and existence results will be proved for the Helmholtz equation with the Robin boundary condition or the transmission condition enforced on the interface. The proof is based on the coupled variational and integral equation methods. The Dirichlet boundary value problem for the Navier equation is also investigated.

欢迎大家参加！