



微分方程与计算物理研究室

2024年度系列报告(8)

报告题目: Recent advances on mathematical models of multi-layered medium

报告人: 邓又军 教授 中南大学

时间: 2024年11月21日(周四)15:00-16:00

地点: #腾讯会议: 548-369-729

摘要: In this talk, we shall present some recent work on mathematical models of multi-layered medium, including electro-static system, Helmholtz system, elastic system etc. We shall build some elementary mathematical framework for multi-layered medium. Based on the framework, we shall show some asymptotic results for multi-layered medium, which is a special case of inhomogeneous medium. We shall also show how to design multi-layer structures of metamaterials, which may greatly increase the resonance modes, by using the algebraic framework we designed.