

# 课程介绍

课程题目: Introduction to partial differential equations

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课程简介:

Partial differential equation is an equation for an unknown function of two or more independent variables that involves partial derivatives. The study of partial differential equations is not only very active, but also has deep connections with other research fields in mathematics and physics. In this mini-course, we will focus on the theory of linear second order elliptic partial differential equations. Some specific topics include Laplace's equation, Poisson's equation, the maximum principle, the Schauder estimates and Dirichlet problem.

预备知识:

Multivariable calculus, linear algebra and functional analysis

具体详情见:

<http://www.cim.nankai.edu.cn/2022/0627/c11453a460256/page.htm>