



YONSEI Math-CSE Colloquium

Calculus of variations and regularity theory for partial differential equations

옥지훈 교수
서강대학교

The calculus of variations provides a powerful mathematical framework for finding the functions that minimize functionals. It plays a crucial role in various real-world optimization problems and has been a fundamental tool in the development of many physical theories and engineering designs. In this talk, we will explore fundamental principles of the calculus of variations and connection between the calculus of variations and the partial differential equations. Furthermore, I will present a regularity theory for partial differential equations, tracing its origins back to Hilbert's 19th problem and discussing my recent results in this area.

2024.04.11. (목) 17:00
Sci Building #225

주최 : 4단계 BK21 수리과학 및 계산 교육연구단 (연세대학교 수학기산학부), 수리과학연구소
문의 : 유명준 mjyu@yonsei.ac.kr

**강연 세부사항은 학과 홈페이지를 참조하시기 바랍니다.