



연세대학교 수학과산학부

PDE in Seoul 2023: Conference in honor of Professor Mikhail Safonov's 70th birthday

Introductory Lectures for Graduate Students

# Weak derivatives and their applications

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## Abstract:

This lecture intends to introduce the concept of weak derivative and the ensuing definition of Sobolev spaces in Lebesgue spaces. Some density and embedding concepts will be discussed, as well as some applications and generalizations. This lecture is directed to graduate students and only assumes a background of Lebesgue integration theory.

2023.06.16. (금) 14:00  
Sci Building #225

주최 : 4단계 BK21 수리과학 및 계산 교육연구단 (연세대학교 수학과산학부)  
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