



VIENNA
DOCTORAL
SCHOOL
MATHEMATICS

PhD Colloquium

Gianluca Favre:

An introduction to the weak formulation. Why do we look for a weak solution?

We aim to easily give a physical meaning of solution to a differential equation. But what if the solution is weak? Probably you will not find the answer in this talk. What will be shown herein is the reason of the weak formulation [of what?]. Starting from some physical problems, we will see where the necessity of a weak solution arises and how to define it. In the spirit of the PhD-Colloquium format, this talk will be nontechnical and nonrigorous but rather an overview about a very general topic.

16. May,

13:45-14:30

HS 10, OMP-1