

PhD research topic proposal
BME, Doctoral School of Mathematics and Computer Science

Name and degree of supervisor :

Pál Burai, PhD

Are you willing to supervise Stipendium Hungaricum applicants?

No

Title of the topic:

Convex analysis

Short description:

Convex analysis is a vividly investigated topic, it has several applications in different areas of mathematics and natural sciences.

This research mainly concentrates on the examination of dyadic convex analysis, and the application the results of convex analysis to not necessarily continuous functions.

The main goal is the application of the developed new tools in nonsmooth optimization problems.

Requirements:

Thorough knowledge in multivariables analysis and in linear algebra, some knowledge in functional analysis. Knowledge in convex analysis is an advantage.

Contact:

E-mail:

buraip@math.bme.hu

Place of work:

BME, Faculty of Science, Institute of Mathematics, Department of Differential Equations