

## **Mathematical analysis**

Doc. RNDr. Ján Borsík, CSc.

1. Generalized topologies

Doc. RNDr. Ľubica Holá, DrSc.

2. Generalized compact- open topology on the space of partial functions

Doc. RNDr. Roman Hric, PhD.

3. Dense orbits in dynamical systems
4. Topological entropy, topological pressure and its sequential variants

Doc. RNDr. Vladimír Janiš, CSc.

5. Generalized convexity of fuzzy sets
6. Divergence measures

## **Probability and Mathematical Statistics**

Prof. RNDr. Beloslav Riečan, DrSc.

1. Probability on a system of IF-events
2. Fuzzy dynamical systems
3. Probability theory on MV-algebras

Prof. RNDr. Gejza Wimmer, DrSc.

4. Some calibration problems

Doc. Mgr. Marian Grendár, PhD.

5. Large deviations

Doc. RNDr. Vladimír Janiš, CSc.

6. Similarity measures
7. Divergences on IF sets

Doc. RNDr. Peter Maličký, CSc.

8. Fourier transformation of measures
9. Ergodic transformations