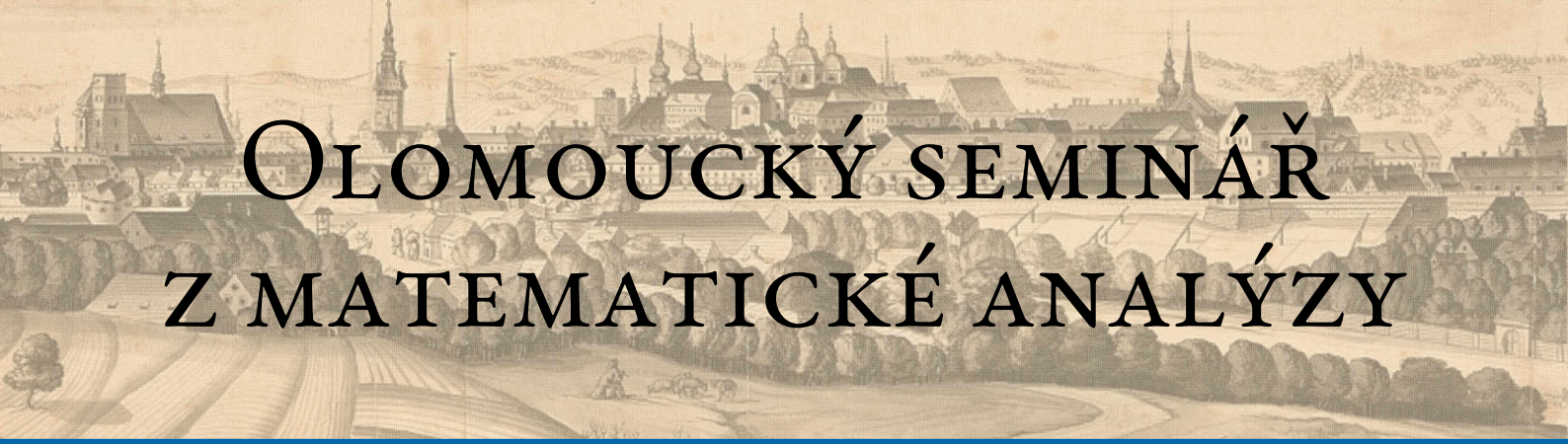




OLOMOUCKÝ SEMINÁŘ Z MATEMATICKÉ ANALÝZY

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doc. RNDr. Jiří Kupka, Ph.D.

z Ústavu pro výzkum a aplikace fuzzy modelování na Ostravské univerzitě

pronese přednášku na téma

Entropy notions in fuzzy dynamical systems

Abstract: This talk is intened as a survey talk. Together with J. S. Cánovas (Universidad de Cartagena) we have studied fuzzy dynamical systems from different perspectives and two of those will be mentioned in this talk. The first direction is a systematic study of the size of topological entropy of fuzzy dynamical systems. The second line elaborates a direction in which fuzzy topology is considered and the notion of fuzzy entropy is properly elaborated. At the end of the talk some bridge results between the fuzzy entropy and the topological entropy of fuzzy dynamical systems will be mentioned.

