Topological entropy of multivalued maps in compact Hausdorff spaces

Pavel Ludvík

Palacký University Olomouc

We explore various approaches to extend the concept of topological entropy to multivalued mappings. Our talk involves the extension of existing notions and a comparative analysis with novel ones proposed. We demonstrate the applicability of certain topological entropy concepts to arbitrary multivalued mappings defined on compact Hausdorff spaces, which may not necessarily be metric.