Sequential approach spaces

Gonçalo Gutierres [*]

Approach spaces were introduced by R. Lowen as a natural generalisation of both topological and metric spaces. Therefore many concepts in approach theory are motivated by well-established notions in topology such as compactness or soberness.

With no doubt, sequential spaces form an important classe of topological spaces, however, so far appears no study of sequential approach spaces in the literature. It is the goal of this talk to fill this gap. We propose a definition of sequential approach spaces and some of its properties are studied.