

The Logic of Topology

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Abstract

In this talk we will see how the language of mathematical logic can express properties of topological spaces and dynamic topological systems. This is a modern research area that arose out of the need to design reliable hybrid control systems such as airplane autopilots. Classical and recent results (one of them is joint work of the speaker and Aleksey Nogin) and open questions will be discussed. Bring your tea/coffee, candies will be provided.