MAP ∞ PDMA

Seminar 2021/2022

Algebraic topology and concurrency theory

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https://videoconf-colibri.zoom.us/j/86389857315

It has been discovered relatively recently that concepts and methods from algebraic topology may be employed profitably in concurrency theory, the field of computer science that studies systems of simultaneously executing processes. A very expressive combinatorial-topological model of concurrency is given by higher-dimensional automata. In this talk, I will present a method to extract homological information from HDAs that is meaningful from a computer science point of view.

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