Stone Topology on Spaces of Types

Musa Bakır

Boğaziçi University

Abstract: This talk will serve as a gentle introduction to the construction of the Stone Space of Types ($S_n(A)$) from logical objects. We will mostly focus on the main motivations behind turning logic into topology and how the topological properties of these spaces reveal the underlying logical properties of a first-order theory. We will focus on the Space of Complete n-Types as a prototypical example in our discussion to demonstrate the link between model theory and point-set topology.

Date : Tuesday, February 24th, 2026
Time: 15:30
Place: TB130