NICOLAS CHAVARRIA GOMEZ, University of Notre Dame

Pontryagin duality and continuous logic

I will present the Bohr compactification of a topological abelian group as a type space in the sense of continuous model theory. I first show that this type space is the Pontryagin dual of a certain group. In this manner, Pontryagin duality comes into the picture. This can then be extended to more general topological structures.