

Building bridges: A dialogue between geometry, model theory and physics.

Model theory can be seen as the branch of mathematics which pays special attention to the language used and definability issues (Zilber, 2014). In this talk we will discuss some ideas of how this emphasis in the definability allows to build bridges connecting model-theoretic constructions with geometric and physical structures. We will argue that this might lead to consider "a new geometry" and will explore some philosophical questions that arise in this network of relations.