

Mourgues, *Classification of \aleph_0 -categorical C -minimal pure C -sets*

A C -relation is a ternary relation interpretable on a set of maximal chains of a tree. C -sets generalize linear orders and allow a rich combinatorics, they are therefore not classifiable. In a joint work with Françoise Delon, we restrict the classification to the class of \aleph_0 -categorical and C -minimal C -sets, where the notion of C -minimality, introduced by Macpherson and Steinhorn (1996) is the minimality notion fitting in this context. In this talk, I will discuss what the canonical trees associated to finite or countable such C -structures look like.