

Fraïssé-like structures

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Let \mathcal{C} be a Fraïssé class. Countable structure X is the Fraïssé limit of \mathcal{C} if it is ultrahomogeneous and $\text{Age}(X) = \mathcal{C}$. In that case ultrahomogeneity is equivalent to the extension property with respect to \mathcal{C} .

Definition 1. We say that a structure (not necessarily countable) X is Fraïssé-like for \mathcal{C} if $\text{Age}(X) = \mathcal{C}$ and it satisfies the extension property with respect to \mathcal{C} .

In the talk I will recall all relevant definition and present the result that there are Fraïssé-like graphs X_0, X_1 of cardinality ω_1 such that X_0 is ultrahomogeneous and X_1 is rigid.