

Quasiminimal structures and dense-codense predicates

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In this talk with we will introduce Zilber's framework of quasiminimal classes, a reasonable analogue of strongly minimal theories in the setting of $L_{\omega_1\omega}(Q)$. We will then consider dense-codense expansions and show they can be axiomatized by a extra sentence in the language $L_{\omega_1\omega}$. We show some connections between the complexity of the geometry and the ranks of the expansion. We also show how to build new examples of quasiminimal classes using pairs of strongly minimal theories. This is joint work with Evgueni Vassiliev, University of Newfoundland.

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