

UIC Model Theory Seminar, May 9, 2006

Generic predicates over Hilbert spaces

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I will present a new Fraïssé-Hrushovski style construction within the framework of continuous model theory, whose net result is a limit model of the theory of Hilbert Spaces with a generic distance function (to a generic “black spot”). This provides a new application of construction of limit models and a new example of a simple theory in continuous model theory. This is joint work with Alexander Berenstein.