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Omer Mermelstein* (omer@math.wisc.edu). *Forking in the generic flat pregeometry.*

The theory of the generic flat pregeometry — a Fraïssé-Hrushovski limit of the class of all finite flat pregeometries — is ω -stable and not \aleph_1 -categorical. In this talk we explain dependence and rank in this theory, and compare it to dependence in its ω -stable, non- \aleph_1 -categorical sibling theories of lower rank: the theory of infinitely branching trees and the theory of a non-collapsed ab initio Hrushovski construction. (Received January 27, 2020)