

COMPUTABLE MODEL THEORY OVER $\mathbb{H}\mathbb{F}(\mathbb{R})$

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The talk is a survey of results on structures Σ -presentable over $\mathbb{H}\mathbb{F}(\mathbb{R})$ — the hereditarily finite superstructure over the ordered field of the real numbers. The main problems we consider in the talk are: the existence of Σ -presentations, the number of Σ -presentations, and Σ -parameterizations of classes of structures.

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