

Pseudo-Finite Model Theory

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Abstract

We will continue last week's discussion of Vaananen's paper *Pseudo-Finite Model Theory*.

We will discuss the finite versions of results from model theory, such as compactness and Lowenheim-Skolem, which follow from the infinite versions. We will also see why the interpolation theorems do not hold in this framework, and a version of Lindstrom's Theorem for extensions of first order logic on pseudo-finite structures.