

NIP Theories

Model Theory Seminar, UIC

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Abstract

This three part talk will cover sections 4.1 and 4.2 in Pierre Simon's *Lectures Notes on NIP Theories*.

In section 4.1, we discuss mutually indiscernible sequences and consider several examples in which mutual indiscernibility is preserved by various constructions. In section 4.2, we define dp -rank in terms of mutual indiscernibility, and consider an equivalent characterization using ict -patterns.