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Autore	Casanovas Enrique <1957->
Titolo	Simple theories and hyperimaginaries / / Enrique Casanovas [[electronic resource]]
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Descrizione fisica	1 online resource (xiv, 169 pages) : digital, PDF file(s)
Collana	Lecture notes in logic ; ; 39
Disciplina	511.3/4
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Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preliminaries -- x, y-Types, stability and simplicity -- x, y-Types and the local rank D -- Forking -- Independence -- The local rank CB x, y (pi) -- Heirs and coheirs -- Stable forking -- Lascar strong types -- The independence theorem -- Canonical bases -- Abstract independence relations -- Supersimple theories -- More ranks -- Hyperimaginaries -- Hyperimaginary forking -- Canonical bases revisited -- Elimination of hyperimaginaries -- Orthogonality and analysability -- Hyperimaginaries in supersimple theories.
Sommario/riassunto	This book is an up-to-date introduction to simple theories and hyperimaginaries, with special attention to Lascar strong types and elimination of hyperimaginary problems. Assuming only knowledge of general model theory, the foundations of forking, stability and

simplicity are presented in full detail. The treatment of the topics is as general as possible, working with stable formulas and types and assuming stability or simplicity of the theory only when necessary. The author offers an introduction to independence relations as well as a full account of canonical bases of types in stable and simple theories. In the last chapters the notions of internality and analyzability are discussed and used to provide a self-contained proof of elimination of hyperimaginaries in supersimple theories.