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Titolo	Supersymmetric mechanics - vol. 3 : attractors and black holes in supersymmetric gravity // edited by Stefano Bellucci
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Descrizione fisica	1 online resource (VIII, 374 p.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 755
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Note generali	"This is the first volume in a series of books on the general theme of Supersymmetric Mechanics, which are based on lectures and discussions held in 2005 and 2006 at the INFN-Laboratori Nazionali di Frascati"--Preface.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Black Holes, Black Rings, and their Microstates -- Black Hole Entropy and Quantum Information -- Extremal Black Hole and Flux Vacua Attractors -- Lectures on Black Holes and the AdS3/CFT2 Correspondence -- The Attractor Mechanism in Five Dimensions -- Lectures on Black Holes, Topological Strings, and Quantum Attractors (2.0).
Sommario/riassunto	This is the third volume in a series of books on the general topics of Supersymmetric Mechanics, with the first and second volumes being published as Lect. Notes Phys. 698, Supersymmetric Mechanics - Vol. 1: Supersymmetry, Noncommutativity and Matrix Models (ISBN: 3-540-33313-4), and Lect. Notes Phys. 701, Supersymmetric Mechanics - Vol. 2: The Attractor Mechanism and Space Time Singularities (ISBN: 3-540-34156-0). The aim of this ongoing collection is to provide a reference corpus of suitable, introductory material to the field, by gathering the significantly expanded and edited versions of all tutorial lectures, given over the years at the well established international and annual INFN-Laboratori Nazionali di Frascati Winter School on the Attractor Mechanism. The present set of notes result from the participation and dedication of prestigious lecturers, such as Iosif Bena, Sergio Ferrara,

Renata Kallosh, Per Kraus, Finn Larsen and Boris Pioline. As usual, the lectures were subsequently carefully edited and reworked, taking into account the extensive follow-up discussions. The present volume emphasizes topics of great recent interest, namely general concepts of attractors in supersymmetric gravity and black holes.
