1. Record Nr. UNINA9910299987503321

Titolo	Geometric Methods in Physics : XXXII Workshop, Biaowiea, Poland, June 30-July 6, 2013 / / edited by Piotr Kielanowski, Pierre Bieliavsky, Alexander Odesskii, Anatol Odzijewicz, Martin Schlichenmaier, Theodore Voronov
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Birkhäuser, , 2014
ISBN	3-319-06248-4
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (290 p.)
Collana	Trends in Mathematics, , 2297-0215
Disciplina	515.642
Soggetti	Group theory Global analysis (Mathematics) Manifolds (Mathematics) Quantum computers Mathematics History Group Theory and Generalizations Global Analysis and Analysis on Manifolds Quantum Computing History of Mathematical Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Preface -- Part I: Deformation, Quantization: Scientific Landmarks of Daniel Sternheimer -- Part II: Quantum Mechanics -- Part III: Groups and Non-commutative Structures -- Part IV: Differential Equations and Special Functions -- Part V: General Methods.
Sommario/riassunto	The Biaowiea Workshops on Geometric Methods in Physics, which are hosted in the unique setting of the Biaowiea natural forest in Poland, are among the most important meetings in the field. Every year some 80 to 100 participants from both the mathematics and physics world join to discuss new developments and to exchange ideas. The current volume was produced on the occasion of the 32nd meeting in 2013. It

is now becoming a tradition that the Workshop is followed by a School on Geometry and Physics, which consists of advanced lectures for graduate students and young researchers. Selected speakers at the 2013 Workshop were asked to contribute to this book, and their work was supplemented by additional review articles. The selection shows that, despite its now long tradition, the workshop remains at the cutting edge of research. The 2013 Workshop also celebrated the 75th birthday of Daniel Sternheimer, and on this occasion the discussion mainly focused on his contributions to mathematical physics such as deformation quantization, Poisson geometry, symplectic geometry and non-commutative differential geometry.