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Titolo	Algebra, Geometry, and Physics in the 21st Century : Kontsevich Festschrift // edited by Denis Auroux, Ludmil Katzarkov, Tony Pantev, Yan Soibelman, Yuri Tschinkel
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Descrizione fisica	1 online resource (364 pages) : illustrations (some color), tables
Collana	Progress in Mathematics, , 0743-1643 ; ; 324
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Soggetti	Algebraic geometry Differential geometry Category theory (Mathematics) Homological algebra Algebraic Geometry Differential Geometry Category Theory, Homological Algebra
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Adiabatic limits of co-associative Kovalev-Lefschetz fibrations -- Ideal webs, moduli spaces of local systems, and 3d Calabi-Yau categories -- Spectral sequences for cyclic homology -- Derived varieties of complexes and Kostant's theorem for $gl(m n)$ -- Higher symmetry and gapped phases of gauge theories -- Constructing Buildings and Harmonic Maps -- Cohomological Hall algebras, semicanonical bases and Donaldson-Thomas invariants for 2-dimensional Calabi-Yau categories -- Fukaya A1-structures associated to Lefschetz fibrations. II.
Sommario/riassunto	This volume is a tribute to Maxim Kontsevich, one of the most original and influential mathematicians of our time. Maxim's vision has inspired major developments in many areas of mathematics, ranging all the way from probability theory to motives over finite fields, and has brought forth a paradigm shift at the interface of modern geometry and mathematical physics. Many of his papers have opened completely new

directions of research and led to the solutions of many classical problems. This book collects papers by leading experts currently engaged in research on topics close to Maxim's heart. Contributors: S. Donaldson A. Goncharov D. Kaledin M. Kapranov A. Kapustin L. Katzarkov A. Noll P. Pandit S. Pimenov J. Ren P. Seidel C. Simpson Y. Soibelman R. Thorngren.
