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	Titolo	Module des fibres stables sur les courbes algébriques : Notes de l'Ecole Normale Supérieure, Printemps, 1983 / Editors Jean Louis Verdier, Joseph Le Potier
	Pubbl/distr/stampa	s.l. : s.e., s.d
	Collana	Progress in mathematics ; 54
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	Formato	Materiale a stampa
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2.	Record Nr.	UNINA9910320753503321
	Titolo	B-Model Gromov-Witten Theory // edited by Emily Clader, Yongbin Ruan
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Birkhäuser, , 2018
	ISBN	9783319942209 3319942204
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	Descrizione fisica	1 online resource (635 pages)
	Collana	Trends in Mathematics, , 2297-024X
	Disciplina	516.1
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	Nota di contenuto	Mirror symmetry constructions -- The B-model approach to topological

string theory on Calabi-Yau n -folds -- Geometric quantizations with applications to Gromov-Witten theory -- Some classical/quantum aspects of Calabi-Yau moduli -- The total ancestor potential in singularity theory -- Lecture notes on bihamiltonian structures and their central invariants.

Sommario/riassunto

This book collects various perspectives, contributed by both mathematicians and physicists, on the B-model and its role in mirror symmetry. Mirror symmetry is an active topic of research in both the mathematics and physics communities, but among mathematicians, the “A-model” half of the story remains much better-understood than the B-model. This book aims to address that imbalance. It begins with an overview of several methods by which mirrors have been constructed, and from there, gives a thorough account of the “BCOV” B-model theory from a physical perspective; this includes the appearance of such phenomena as the holomorphic anomaly equation and connections to number theory via modularity. Following a mathematical exposition of the subject of quantization, the remainder of the book is devoted to the B-model from a mathematician’s point-of-view, including such topics as polyvector fields and primitive forms, Givental’s ancestor potential, and integrable systems.
