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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.

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