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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Preface -- List of Conference Talks -- Some properties of the Thom spectrum over loop suspension of complex projective space -- Introduction -- 1. The Thom spectrum of -- 2. $-(co)homology$ -- 3. A formal group law over $\mathbb{Z}_p$ -- 4. The splitting of $\Sigma \mathbb{C}P^\infty$ into wedges of suspensions of $\mathbb{C}P^\infty$ -- 5. The real and the quaternionic cases -- 6. Associative versus commutative orientations -- Acknowledgements -- References -- Rational equivariant rigidity -- Introduction -- 1. Stable model categories and generators -- 2. Morita theory for stable model categories -- 3. Rational G-spectra and their endomorphism category -- 4. Rigidity for Finite and Profinite groups -- 5. S1-equivariant rigidity -- 6. Formality and Rigidity -- Acknowledgements -- References -- Homotopy colimits of model categories -- 1. Introduction -- 2. Preliminaries on complete Segal spaces -- 3. Working example: Homotopy pushouts -- 4. More general homotopy colimits -- References -- The cobordism category and Waldhausen's -theory -- 0. Introduction -- 1. Abstract transversality -- 2. Categories of embedded manifolds -- 3. Simplicial spaces -- 4. The Madsen-Weiss theorem as a relative h-principle -- Acknowledgement -- References -- Absolutely homotopy-cartesian squares -- 1. Statements of Results and Conjectures -- 2. Proof of Classification for

Squares -- 3. Partial results for Conjecture 1.3 -- 4. An Absolutely
Cocartesian and Cartesian 3-cube -- 5. Applications and Related Work
-- References -- Koszul duality complexes for the cohomology of
iterated loop spaces of spheres -- Introduction -- Background and
general conventions -- 1. Koszul duality and operadic homology -- 2.
Free complete algebras and duality.
