

1. Record Nr.	UNINA9910483882903321
Autore	Lal Ramji
Titolo	Algebra 3 : homological algebra and its applications / / Ramji Lal
Pubbl/distr/stampa	Singapore : , : Springer, , [2021] ©2021
ISBN	981-336-326-6
Descrizione fisica	1 online resource (310 pages)
Collana	Infosys Science Foundation series
Disciplina	512.55
Soggetti	Algebra, Homological Àlgebra homològica Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Preface -- Contents -- About the Author -- Notations -- 1 Homological Algebra 1 -- 1.1 Categories and Functors -- 1.2 Abelian Categories -- 1.3 Category of Chain Complexes and Homology -- 1.4 Extensions and the Functor EXT -- 2 Homological Algebra 2, Derived Functors -- 2.1 Resolutions and Extensions -- 2.2 Tensor and Tor Functors -- 2.3 Abstract Theory of Derived Functors -- 2.4 Kunneth Formula -- 2.5 Spectral Sequences -- 3 Homological Algebra 3: Examples and Applications -- 3.1 Polyhedrons and Simplicial Homology -- 3.2 Applications -- 3.3 Co-homology of Groups -- 3.4 Calculus and Co-homology -- 4 Sheaf Co-homology and Its Applications -- 4.1 Presheaves and Sheaves -- 4.2 Sheaf Co-homology and ech Co-homology -- 4.3 Algebraic Varieties -- 4.4 Schemes -- 4.5 Weil Conjectures and l-adic Co-homology -- Appendix Bibliography -- -- Index.