1.	Record Nr.	UNINA9910462552203321
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	Titolo	Homological algebra [[electronic resource]] : the interplay of homology with distributive lattices and orthodox semigroups / / Marco Grandis
	Pubbl/distr/stampa	Hackensack, N.J., : World Scientific, 2012
	ISBN	1-281-60370-8
		9786613784391
		981-4407-07-0
	Descrizione fisica	1 online resource (382 p.)
	Disciplina	512/.55
	Soggetti	Algebra, Homological
		Electronic books.
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Contents; Preface; Introduction; 0.1 Homological algebra in a non-abelian setting; 0.2 The coherence problem for subquotients; 0.3 The transfer functor; 0.4 Distributivity and coherence; 0.5 Universal models and crossword chasing; 0.6 Outline; 0.7 Further extensions; 0.8 Literature and terminology; 0.9 Acknowledgements; 1 Coherence and models in homological algebra; 1.1 Some basic notions; 1.1.1 Monomorphisms and epimorphisms; 1.1.2 Lattices; 1.1.3 Distributive and modular lattices; 1.2 Coherence and distributive lattices; 1.2.1 Subquotients and regular induction
		1.2.2 Relations of abelian groups1.2.3 Induced relations and canonical isomorphisms; 1.2.4 Examples of incoherence; 1.2.5 Coherent systems of isomorphisms; 1.2.6 Lemma; 1.2.7 Coherence Theorem of homological algebra (Reduced form); 1.3 Coherence and crossword diagrams; 1.3.1 Representing a bifiltered object; 1.3.2 Extending the representation; 1.3.3 Preparing a further extension; 1.3.4 The complete representation; 1.3.5 The Jordan-Holder Theorem; 1.3.6 Representing a sequence of morphisms; 1.4 Coherence and representations of spectral sequences
		1.4.1 The universal model of the filtered complex1.4.2 The spectral sequence; 1.4.3 The spectral sequence, continued; 1.4.4 Transgressions; 1.4.5 A non-distributive structure; 1.5 Introducing p-

| Sommario/riassunto | In this book we want to explore aspects of coherence in homological algebra, that already appear in the classical situation of abelian groups or abelian categories. Lattices of subobjects are shown to play an important role in the study of homological systems, from simple chain complexes to all the structures that give rise to spectral sequences. A parallel role is played by semigroups of endorelations. These links rest on the fact that many such systems, but not all of them, live in distributive sublattices of the modular lattices of subobjects of the system. The property of distributivity al |