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Titolo	Mixed motives and their realization in derived categories / / Annette Huber
Pubbl/distr/stampa	Berlin ; ; Heidelberg : , : Springer-Verlag, , [1995] ©1995
ISBN	3-540-49274-7
Edizione	[1st ed. 1995.]
Descrizione fisica	1 online resource (XVI, 216 p.)
Collana	Lecture Notes in Mathematics ; ; Volume 1604
Disciplina	516.35
Soggetti	Motives (Mathematics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Basic notions -- Derived categories of exact categories -- Filtered derived categories -- Gluing of categories -- Godement resolutions -- Singular cohomology -- De Rham cohomology -- Hodge realization -- 1-adic cohomology -- Comparison functors: 1-adic versus singular realization -- The mixed realization -- The tate twist -- \otimes -product and internal hom on $D^b(MR)$ -- The Künneth morphism -- The Bloch-Ogus axioms -- The Chern class of a line bundle -- Classifying spaces -- Higher Chern classes -- Operations of correspondences -- Grothendieck motives -- Polarizability -- Mixed motives.
Sommario/riassunto	The conjectural theory of mixed motives would be a universal cohomology theory in arithmetic algebraic geometry. The monograph describes the approach to motives via their well-defined realizations. This includes a review of several known cohomology theories. A new absolute cohomology is introduced and studied. The book assumes knowledge of the standard cohomological techniques in algebraic geometry as well as K-theory. So the monograph is primarily intended for researchers. Advanced graduate students can use it as a guide to the literature.