1.	Record Nr.	UNINA9910782193603321
	Autore	Nicolaescu Liviu I
	Titolo	The Reidemeister torsion of 3-manifolds [[electronic resource] /] / Liviu I. Nicolaescu
	Pubbl/distr/stampa	Berlin ; ; New York, : Walter de Gruyter, 2003
	ISBN	1-282-19435-6
		9786612194351
		3-11-916192-6
		3-11-019810-X
	Descrizione fisica	1 online resource (263 p.)
	Collana	De Gruyter studies in mathematics ; ; 30
	Classificazione	SK 350
	Disciplina	514/.3
	Soggetti	Three-manifolds (Topology)
		Reidemeister torsion
	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 (p. [239]-244) and index.
	Nota di contenuto	Front matter -- Contents -- Chapter 1. Algebraic preliminaries -- Chapter 2. The Reidemeister torsion -- Chapter 3. Turaev's refined torsion -- Chapter 4. Alternative interpretations of the Reidemeister torsion -- Appendix A. Algebra -- Appendix B. Topology -- Back matter
	Sommario/riassunto	This is a state-of-the-art introduction to the work of Franz Reidemeister, Meng Taubes, Turaev, and the author on the concept of torsion and its generalizations. Torsion is the oldest topological (but not with respect to homotopy) invariant that in its almost eight decades of existence has been at the center of many important and surprising discoveries. During the past decade, in the work of Vladimir Turaev, new points of view have emerged, which turned out to be the ""right ones"" as far as gauge theory is concerned. The book features mostly the new aspects of this venerable concept.