

1. Record Nr.	UNINA9910373931203321
Autore	Tsamparlis Michael
Titolo	Special Relativity : An Introduction with 200 Problems and Solutions / / by Michael Tsamparlis
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-27347-4
Edizione	[2nd ed. 2019.]
Descrizione fisica	1 online resource (xxv, 815 pages) : illustrations (some color)
Collana	Undergraduate Lecture Notes in Physics, , 2192-4805
Disciplina	530.11
Soggetti	Gravitation Cosmology Mathematical physics Classical and Quantum Gravity Mathematical Physics Relativitat especial (Física) Física matemàtica Educació superior Problemes i exercicis Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index
Nota di contenuto	Mathematical Part -- The Structure of the Theories of Physics -- Newtonian Physics -- The Foundation of Special Relativity -- The Physics of the Position Four-Vector -- Relativistic Kinematics -- Four- Acceleration -- Paradoxes -- Mass – Four-Momentum -- Relativistic Reactions -- Four-Force -- Irreducible Decompositions -- The Electromagnetic Field -- Relativistic Angular Momentum -- The Covariant Lorentz Transformation -- Geometric Description of Relativistic Interactions.
Sommario/riassunto	This textbook develops Special Relativity in a systematic way and offers the unique feature of having more than 200 problems with detailed solutions to empower students to gain a real understanding of this core subject in physics. This new edition has been thoroughly updated and has new sections on relativistic fluids, relativistic kinematics and on

four-acceleration. The problems and solution section has been significantly expanded and short history sections have been included throughout the book. The approach is structural in the sense that it develops Special Relativity in Minkowski space following the parallel steps as the development of Newtonian Physics in Euclidian space. A second characteristic of the book is that it discusses the mathematics of the theory independently of the physical principles, so that the reader will appreciate their role in the development of the physical theory. The book is intended to be used both as a textbook for an advanced undergraduate teaching course in Special Relativity but also as a reference book for the future.

2. Record Nr.	UNICAMPANIAVAN00127089
Autore	Elin, Mark
Titolo	Numerical Range of Holomorphic Mappings and Applications / Mark Elin, Simeon Reich, David Shoikhet
Pubbl/distr/stampa	Cham, : Birkhauser, 2019
Titolo uniforme	Numerical Range of Holomorphic Mappings and Applications
Descrizione fisica	xiv, 229 p. : ill. ; 24 cm
Altri autori (Persone)	Reich, Simeon Shoikhet, David
Soggetti	46G20 - Infinite-dimensional holomorphy [MSC 2020] 47D03 - Groups and semigroups of linear operators [MSC 2020] 47H20 - Semigroups of nonlinear operators [MSC 2020]
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia