

1.	Record Nr.	UNINA990004980630403321
	Autore	Coignet, Jean-Roch
	Titolo	Les Chaires / du Capitaine Coignet ; publiès d'après le manuscrit original par Lorédan Larchey
	Pubbl/distr/stampa	Paris : Le livre club du libraire, 1957
	Descrizione fisica	407 p., 1 tav. ; 21 cm
	Locazione	FLFBC
	Collocazione	XC 13
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9910777458603321
	Titolo	The mathematics of Minkowski space-time [[electronic resource]] : with an introduction to commutative hypercomplex numbers / / Francesco Catoni ... [et al.]
	Pubbl/distr/stampa	Basel ; ; Boston, : Birkhauser, c2008
	ISBN	1-281-49123-3 9786611491239 3-7643-8614-2
	Edizione	[1st ed. 2008.]
	Descrizione fisica	1 online resource (271 p.)
	Collana	Frontiers in mathematics
	Altri autori (Persone)	CatoniFrancesco
	Disciplina	516.374
	Soggetti	Generalized spaces Special relativity (Physics)
	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	N-Dimensional Commutative Hypercomplex Numbers -- The Geometries Generated by Hypercomplex Numbers -- Trigonometry in

the Minkowski Plane -- Uniform and Accelerated Motions in the Minkowski Space-Time (Twin Paradox) -- General Two-Dimensional Hypercomplex Numbers -- Functions of a Hyperbolic Variable -- Hyperbolic Variables on Lorentz Surfaces -- Constant Curvature Lorentz Surfaces -- Generalization of Two-Dimensional Special Relativity (Hyperbolic Transformations and the Equivalence Principle).

Sommario/riassunto

Hyperbolic numbers are proposed for a rigorous geometric formalization of the space-time symmetry of two-dimensional Special Relativity. The system of hyperbolic numbers as a simple extension of the field of complex numbers is extensively studied in the book. In particular, an exhaustive solution of the "twin paradox" is given, followed by a detailed exposition of space-time geometry and trigonometry. Finally, an appendix on general properties of commutative hypercomplex systems with four unities is presented.
