

1. Record Nr.	UNINA9910583474603321
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Titolo	Beyond pseudo-rotations in pseudo-euclidean spaces : an introduction to the theory of bi-gyrogroups and bi-gyrovector spaces // Abraham A. Ungar
Pubbl/distr/stampa	London, England : , : Academic Press, , 2018 ©2018
ISBN	0-12-811774-5 0-12-811773-7
Descrizione fisica	1 online resource (420 pages) : illustrations
Collana	Mathematical Analysis and its Applications
Disciplina	530.11
Soggetti	Special relativity (Physics) Geometry, Hyperbolic
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction -- 2. Einstein gyrogroups -- 3. Einstein gyrovector spaces -- 4. Bi-gyrogroups and bi-gyrovector spaces - P -- 5. . Bi-gyrogroups and bi-gyrovector spaces - V -- 6. Applications to time-space of signature (m,n) -- 7. Analytic bi-hyperbolic geometry : the geometry of bi-gyrovector spaces.
Sommario/riassunto	Beyond Pseudo-Rotations in Pseudo-Euclidean Spaces presents for the first time a unified study of the Lorentz transformation group $SO(m, n)$ of signature (m, n) , $m, n - N$, which is fully analogous to the Lorentz group $SO(1, 3)$ of Einstein's special theory of relativity. It is based on a novel parametric realization of pseudo-rotations by a vector-like parameter with two orientation parameters. The book is of interest to specialized researchers in the areas of algebra, geometry and mathematical physics, containing new results that suggest further exploration in these areas."--