Record Nr. UNINA9911019396703321 Autore Akivis M. A (Maks Aizikovich) Titolo Conformal differential geometry and its generalizations / / Maks A. Akivis, Vladislav V. Goldberg New York, : Wiley, c1996 Pubbl/distr/stampa **ISBN** 9786613281111 9781283281119 1283281112 9781118032633 1118032632 9781118030882 1118030885 Descrizione fisica 1 online resource (404 p.) Collana Pure and applied mathematics Goldberg V. V (Vladislav Viktorovich) Altri autori (Persone) Disciplina 516.3/63 Soggetti Geometry, Differential Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali "A Wiley-Interscience publication." Nota di bibliografia Includes bibliographical references (p. 323-354) and indexes. Nota di contenuto Conformal Differential Geometry and Its Generalizations; Contents; Introduction; CHAPTER 1 CONFORMAL AND PSEUDOCONFORMAL SPACES; 1.1 Conformal transformations and conformal spaces; 1.2 Moving frames in a conformal space; 1.3 Pseudoconformal spaces; 1.4 Examples of pseudoconformal spaces; Notes; CHAPTER 2 HYPERSURFACES IN CONFORMAL SPACES; 2.1 Fundamental objects and tensors of a hypersurface; 2.2 Invariant normalization of hypersurfaces; 2.3 The rigidity theorem and the fundamental theorem; 2.4 Curvature lines of a hypersurface; 2.5 Geometric problems connected with the tensor cii: Notes CHAPTER 3 SUBMANIFOLDS IN CONFORMAL AND PSEUDOCONFORMAL SPACES3.1 Geometry of a submanifold in a conformal space; 3.2 Submanifolds carrying a net of curvature lines; 3.3 Submanifolds in a pseudoconformal space; 3.4 Line submanifolds of a three-dimensional projective space; Notes; CHAPTER 4 CONFORMAL, STRUCTURES ON A DIFFERENTIABLE MANIFOLD; 4.1 A manifold with a conformal structure;

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Comprehensive coverage of the foundations, applications, recent developments, and future of conformal differential geometryConformal Differential Geometry and Its Generalizations is the first and only text that systematically presents the foundations and manifestations of conformal differential geometry. It offers the first unified presentation of the subject, which was established more than a century ago. The text is divided into seven chapters, each containing figures, formulas, and historical and bibliographical notes, while numerous examples elucidate the necessary theory.C

Notes; Bibliography; Symbols Frequently Used; Author Index; Subject