

1. Record Nr.	UNISA996466374603316
Autore	Berndt Jurgen <1959->
Titolo	Generalized Heisenberg groups and Damek-Ricci harmonic spaces / / Jurgen Berndt, Franco Tricerri, Lieven Vanhecke
Pubbl/distr/stampa	Berlin, Germany ; ; New York, New York : , : Springer-Verlag, , [1995] ©1995
ISBN	3-540-49171-6
Edizione	[1st ed. 1995.]
Descrizione fisica	1 online resource (VIII, 128 p.)
Collana	Lecture Notes in Mathematics, , 0075-8434 ; ; 1598
Classificazione	53C25 22E25
Disciplina	510
Soggetti	Riemannian manifolds Global differential geometry Geometry, Riemannian
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (pages [115]-122) and index.
Nota di contenuto	Symmetric-like riemannian manifolds -- Generalized Heisenberg groups -- Damek-Ricci spaces.
Sommario/riassunto	Generalized Heisenberg groups, or H-type groups, introduced by A. Kaplan, and Damek-Ricci harmonic spaces are particularly nice Lie groups with a vast spectrum of properties and applications. These harmonic spaces are homogeneous Hadamard manifolds containing the H-type groups as horospheres. These notes contain a thorough study of their Riemannian geometry by means of a detailed treatment of their Jacobi vector fields and Jacobi operators. Some problems are included and will hopefully stimulate further research on these spaces. The book is written for students and researchers, assuming only basic knowledge of Riemannian geometry, and it contains a brief survey of the background material needed to follow the entire treatment.