

1. Record Nr.	UNISA990000479930203316
Autore	CHILDS, David
Titolo	Britain since 1945 : a political history / David Childs
Pubbl/distr/stampa	London, : Routledge, 1992
ISBN	0-415-06024-9
Edizione	[3 ed]
Descrizione fisica	XIII, 397 p. ; 22 cm
Disciplina	941.085
Soggetti	Gran Bretagna - Politica - 1945-1990
Collocazione	X.3.B. 2909(II i B 1725)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910959539903321
Autore	Fischmann Matthias
Titolo	Conformal Symmetry Breaking Differential Operators on Differential Forms
Pubbl/distr/stampa	Providence : , : American Mathematical Society, , 2021 ©2020
ISBN	9781470463397 1470463393
Edizione	[1st ed.]
Descrizione fisica	1 online resource (124 pages)
Collana	Memoirs of the American Mathematical Society, , 0065-9266 ; ; Number 1304
Classificazione	22E4635J3053A3022E4733C45
Altri autori (Persone)	JuhlAndreas SombergPetr
Disciplina	516.3/5
Soggetti	Differential operators Conformal geometry Symmetry (Mathematics) Topological groups, Lie groups {For transformation groups, see 54H15, 57Sxx, 58-XX. For abstract harmonic analysis, see 43-XX} -- Lie groups {For the topology of Lie groups and homogeneous spaces, see Partial differential equations -- Elliptic equations and systems [See also 58J10, 58J20] -- Higher-order elliptic equations [See also 31A30, 31B30] Differential geometry {For differential topology, see 57Rxx. For

foundational questions of differentiable manifolds, see 58Axx} --
 Classical differential geometry -- Conformal differential geometry
 Special functions (33-XX deals with the properties of functions as
 functions) {For orthogonal functions, see 42Cxx; for aspects of
 combinatorics see 05Axx; for number-theoretic aspects see 11-XX; for

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Cover -- Title page -- Chapter 1. Introduction -- Chapter 2. Preliminaries -- 2.1. The \mathcal{F} -method -- 2.2. Notation and induced representations -- 2.3. A branching problem -- Chapter 3. Singular vectors -- 3.1. The $\mathfrak{so}(n,1)$ -equivariance -- 3.2. Families of singular vectors of the first type -- 3.3. Families of singular vectors of the second type -- 3.4. Singular vectors of the third type -- 3.5. Singular vectors of the fourth type -- 3.6. Middle degree cases -- Chapter 4. Conformal symmetry breaking differential operators on differential forms -- 4.1. Families of the first type -- 4.2. Families of the second type -- 4.3. Hodge conjugation -- 4.4. Operators of the third type -- 4.5. Operators of the fourth type -- 4.6. Operators on middle degree forms -- 4.7. Proof of Theorem 3 -- 4.8. Examples -- Chapter 5. Geometric formulas for conformal symmetry breaking operators -- 5.1. Preparations -- 5.2. Even-order families of the first and second type -- 5.3. Odd-order families of the first and second type -- 5.4. Operators of the third and fourth type -- Chapter 6. Factorization identities for conformal symmetry breaking operators -- 6.1. Branson-Gover, gauge companion and \mathcal{Q} -curvature operators -- 6.2. Main factorizations -- 6.3. Supplementary factorizations -- 6.4. Applications -- Appendix: Gegenbauer and Jacobi polynomials -- Bibliography -- Back Cover.
Sommario/riassunto	"We study conformal symmetry breaking differential operators which map differential forms on \mathbb{R}^n to differential forms on a codimension one subspace \mathbb{R}^{n-1} . These operators are equivariant with respect to the conformal Lie algebra of the subspace \mathbb{R}^{n-1} . They correspond to homomorphisms of generalized Verma modules for $\mathfrak{so}(n, 1)$ into generalized Verma modules for $\mathfrak{so}(n+1, 1)$ both being induced from fundamental form representations of a parabolic subalgebra. We apply the \mathcal{F} -method to derive explicit formulas for such homomorphisms. In particular, we find explicit formulas for the generators of the intertwining operators of the related branching problems restricting generalized Verma modules for $\mathfrak{so}(n+1, 1)$ to $\mathfrak{so}(n, 1)$. As consequences, we derive closed formulas for all conformal symmetry breaking differential operators in terms of the first-order operators d , \mathcal{F} , \mathcal{Q} and \mathcal{Q}^* and certain hypergeometric polynomials. A dominant role in these studies is played by two infinite sequences of symmetry breaking differential operators which depend on a complex parameter λ . Their values at special values of λ appear as factors in two systems of factorization identities which involve the Branson-Gover operators of the Euclidean metrics on \mathbb{R}^n and \mathbb{R}^{n-1} and the operators d , \mathcal{F} and \mathcal{Q} as factors, respectively. Moreover, they naturally recover the gauge companion and \mathcal{Q} -curvature operators of the Euclidean metric on the subspace \mathbb{R}^{n-1} , respectively"--

