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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Lie algebras and groups -- Real semisimple Lie algebras -- Invariant differential operators -- Case of the anti-de sitter group -- Conformal case in 4D -- Kazhdan/Lusztig polynomials, subsingular vectors, and conditionally invariant equations -- Invariant differential operators for noncompact Lie algebras parabolically related to conformal Lie algebras -- Multilinear invariant differential operators from new generalized verma modules.
Sommario/riassunto	With applications in quantum field theory, general relativity and elementary particle physics, this four-volume work studies the invariance of differential operators under Lie algebras, quantum groups and superalgebras. This third volume covers supersymmetry, including detailed coverage of conformal supersymmetry in four and some higher dimensions, furthermore quantum superalgebras are also considered. Contents Lie superalgebras Conformal supersymmetry in 4D Examples

