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Nota di contenuto	The group theory and fundamental physics foundation -- The Wigner Medal -- Tribute to Eugene P. Wigner by A. Böhm -- Tribute to Valentine Bargmann by Eugene Wigner -- Solitons -- Semi-classical results in quantum field theory -- Some classical solutions of SU (2) Yang-Mills equations -- Collapsons: New nonlinear excitations -- The excited states of the Prasad-Sommerfield soliton and its SU(3)-generalization -- Geometry for solitons and inverse scattering -- Instantons and embeddings -- A consistent quantization procedure for non-linear problems -- A Lienard-Wiechert type of solution in SU(2) -- Application of the boson polynomials of U(n) to physical problems -- Unitary group approach to molecular electronic structure -- Shift operators for the classical groups -- Computer programs for the reduction of Kronecker products and symmetrized Kronecker powers of space group irreducible representations -- A new method for calculating Clebsch-Gordan coefficients -- A biological field theory of

evolution -- General Flodmark-Blokker method for irreducible
 representatives -- Group structure for general lattice systems and
 surface tension -- Dynamical symmetries of the time-dependent
 Lewis-Riesenfeld harmonic oscillator -- Induced representations and
 spontaneous molecular symmetry breaking -- "Phase ordering" and
 symmetry in $\text{Hg}_3\text{-AsF}_6$ -- On the application of group theory to the
 renormalization-group method -- Renormalization group theory of
 structural phase transitions in $\text{A-15: Pm3n-Oh } 3$ -- "Structure of the
 images of the irreducible linear representations of the crystallographic
 little space groups" -- Unitary group formulation of Hartree-Fock
 theory -- On Symmetries of infinite macrosystems in a standard
 representation -- Geometry of collective motion -- On labeling the
 basis in Gln and identifying the Racah algebra with SN -- Dynamical
 groups of parametrized systems: Atomic supermultiplets --
 Geometrically formulated gauge dynamics for extended hadrons --
 Fundamental length hypothesis in a Gauge theory context --
 Superunified theories in superspace -- Relativity principles and fibre
 bundles -- Dynamical groups for the motion of relativistic composite
 systems -- Clebsch-Gordon coefficients for the holomorphic discrete
 series -- Deformation cohomology of the primitive infinite Lie algebras
 -- Interactions in a model of extended particles -- Rigorous results in
 lattice and continuum Gauge quantum field theories -- A unitary
 relativistic wave equation exhibiting extended particle structure -- Line
 space construction of non-self-dual Yang-Mills fields -- An explicit
 model exhibiting mass and spin mixing -- The ambiguity group for
 canonical transformations in classical mechanics and its role in their
 representation in quantum mechanics -- Generating functions for
 characters of group representations and their applications -- Phase
 space representations of the Poincaré group & their applications to
 relativistic particle dynamics -- On subgroups of physical symmetry
 groups and their invariant "electromagnetic" fields and potentials --
 Covariant observables and instruments -- Quantum spin systems,
 fermi systems and group extensions -- Review of research on
 presymmetry -- On the four Euclidean conformal group structure of the
 Sturmian operator -- An $\text{SL}(2, \mathbb{R})$ approach to Schrödinger spectral
 problem with pseudosingular potential -- Ergodic Theory in von
 Neumann algebras -- $\text{SU}(2)$ harmonic analysis as a basis for
 quantization -- Some new aspects of Cayley-quantum theory --
 Application of quasiclassical methods to uniaxial spin systems --
 Mathematical remarks to resonances and their Eigenfunctionals in
 decay-scattering systems, demonstrated by means of Friedrich's
 model. -- Quantum decay processes and quantum dynamical semigroups
 -- Unstable quantum states and rigged Hilbert spaces -- Irreversible
 processes in quantum theory -- Analytic continuation in decay-
 scattering system -- On the inverse problem of the abstract relativistic
 scattering theory -- The rigged Hilbert space and decaying states --
 Excitation and decay of a multilevel atom -- Dynamical spin spreading
 of unstable particles in four models -- Sequential decays of open
 quantum systems -- Quantization via the imprimitivity systems and
 superselection rules -- A class of soluble one particle models --
 Resonances in quantum mechanics over phase space -- Complex mass
 and field operator for unstable particle -- A canonical description of
 semigroup law for unstable systems -- Deformation of symplectic
 structure and quantization -- Presymplectic Hamilton and Lagrange
 systems, Gauge transformations and the Dirac theory of constraints --
 Deformation theory and quantization -- On certain events in geometric
 quantization -- Kostant-Souriau quantization of Robertson-Walker
 cosmologies with a scalar field -- Infinite-dimensional Lie groups and

quantum dynamical systems -- Geometric quantization of nuclear collective models -- Idea and application of spectrum-generating SU(3) and SU(4) -- Baryon semileptonic decays-spectrum generating SU(3) and the Cabibbo Model -- Spectrum-generating SU(3) and local current algebra -- The effect of the choice of wave functions on theoretical predictions for symmetry breaking processes: A view from the DKP formalism -- Algebraic approach to hadrons without seeing quarks -- Gauge invariance with massive Gauge bosons -- Group theoretical interpretation of relativistic hadron structures -- A simple broken-symmetry treatment of the ground and radially excited state mesons and the $\pi^+\pi^-p\pi^0$ decay -- Self-dual Gauge fields and space-times -- Torsion and quantum gravity -- Surface deformations, their square root and the signature of spacetime -- The role of group theory in the quest for exact solutions of Einstein's field equations: Some recent developments -- On group covariant physical laws and gravitation -- On the exact solutions of Tomimatsu-Sato family for stationary axial-symmetric gravitational fields -- Remarks to homogeneous solutions of Einstein's field equations -- Description of particles with internal structure in general relativity -- Symmetries and statistical behavior in fermion systems -- SU3 symmetry and integral kernels for nuclear cluster problems -- Dynamical symmetries in nuclei -- Recent work on collective motion -- The calculation of 6j symbols for compact groups -- Application of group theory to composite nuclear particle interactions -- Contravariant form for infinite-dimensional Lie algebras and superalgebras -- Dual sets in associative algebras and generalized Lie algebras -- Molien function for a symmetric group -- Generalized Lie algebras -- Superconformal group and quark-like fermionic coordinates -- Parafields and supergroup transformations -- Supermanifolds -- Graded G-structures -- Space-time properties of supergravity -- The Gauge group and geometry of supergravity -- Recent developments in superconformal gravity -- Geometrization in superspace and local supersymmetry -- Superfield supergravity -- How to build hadron multiplets from stable particles -- Structure of the multiquark meson states -- Octonionic structures in particle physics -- Multilocal field theory -- Multiquark states -- UN the Eriksenlike form of the Melosh transformation and its group theoretical interpretation -- Working with H.A. Kramers in SU(4) -- Dynamical groups and the quarkonium problem -- Weight multiplicities of the exceptional Lie groups -- Conserved currents and symmetries of the S-matrix -- Group theoretical aspects of more-than-four quark models -- Infinite unitary group, quarks, unitary symmetry.

2. Record Nr.	UNIORUON00416037
Autore	HARBERT, Bruce
Titolo	A Thirteenth-Century Anthology of Rhetorical Poems. Glasgow MS Hunterian V.8.14 / edited by Bruce Harbert
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