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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 -- Collapsions: 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 $Hg_3\cdot AsF_6$ -- On the application of group theory to the renormalization-group method -- Renormalization group theory of structural phase transitions in $A-15: Pm\bar{3}n-Oh\ 3$ -- "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 $SL(2, R)$ approach to Schrödinger spectral problem with pseudosingular potential -- Ergodic Theory in von Neumann algebras -- $SU(2)$ 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. -- Quatum decay processes and quatum 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 hadronis structures -- A simple broken-symmetry treatment of the ground and radially excited state mesons and the $?+? P ?$ 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 particl 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 -- Superconforial 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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