



## Group Theoretical Methods in Physics

By M. Boon

Springer Jul 1976, 1976. Taschenbuch. Book Condition: Neu. 24.4x17x cm. This item is printed on demand - Print on Demand Neuware - InhaltsangabeMagnetic monopoles and non-abelian gauge groups.- Present status of supersymmetry.- Monopole theories with strings and their applications to meson states. Quarks and the Poincare group SU(6) x SU(3) as a classification group for baryons.- Wave equations for extended hadrons.- Covariance principle and covariance group in presence of external E.M. Fields.- Dynamical SU(3) model for strong interactions and particles.- Local and global equivalence of projective representations.- Invariant e'quations on the fibre bundles.- Gauge groups in local field theory and superselection rules.- The algebraic method in representation theory.- Geometric quantization and graded Lie algebras.-Construction explicite de l'indice de Maslov. Applications.-Twistor theory and geometric quantization.- Quantisation as deformation theory,.- Relativistic canonical systems: A geometric approach to their space-time structure and symmetries.- Propagators in quantum mechanics on multiply connected spaces.- On the quantisation of the Kepler manifold.- On wave functions in geometric quantization.-Dynamical prequantization, spectrum-generating algebras and the classical Kepler and harmonic oscillator problems.-Weyl quantisation on a sphere.- Conformal group, quantization, and the Kepler problem.- Exceptional groups and elementary particles.- A propos des brisures spontanés de symétrie.- Geometry...

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