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Nota di contenuto	On a geometric quantization scheme generalizing those of Kostant-Souriau and Czyz -- Further applications of geometric quantization -- General vector field representations of local Heisenberg systems -- Aspects of relativistic quantum mechanics on phase space -- On the confinement of magnetic poles -- SU(3) and SU(4) as spectrum-generating groups -- The phase space for the Yang-Mills equations -- Instantons in nonlinear ?-models, gauge theories and general relativity -- Gauge-theoretical foundation of color geometrodynamics -- Non-associative algebras and exceptional gauge groups -- Atiyah-Singer index theorem and quantum field theory -- Topological concepts in phase transition theory -- Life without T2 -- Affine model of internal degrees of freedom in a non-euclidean space -- Jet bundles and weyl geometry -- Line fields and Lorentz manifolds -- The manifold of embeddings of a closed manifold -- The manifold of embeddings of a non-compact manifold.

