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Collana	Lecture Notes in Mathematics ; ; 905
Disciplina	530.15
Soggetti	Mathematical physics Geometry, Differential
Lingua di pubblicazione	Inglese
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Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Massless limits and dual field theories -- Poisson commutativity and the generalized periodic toda lattice -- Spaces of solutions of relativistic field theories with constraints -- The symplectic "category" -- Moments and reductions -- Elementary systems for lie algebra bundle actions -- What kind of a dynamical system is the radiating electron? -- Asymptotics of elementary spherical functions -- Hermitian structures on solution varieties of nonlinear relativistic wave equations -- Vector bundle connections and liftings of partial differential operators -- Phase space of the coupled vectorial Klein-Gordon-Maxwell equations -- Particle theory and global geometry -- Group theoretical aspects of the chronometric theory -- Spinor structures -- The complex cayley algebra and the Lorentz group -- Prequantisation from path integral viewpoint -- A geometrical property of POV-measures and systems of covariance -- Path integrals over manifolds -- Gauge-theory ghosts and ghost-gauge theories -- On monopole systems with weak axial symmetry -- Quantum fields in curved space-times and scattering theory -- The quantized maxwell field and its gauges; A generalization of wightman theory.

