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Nota di contenuto	""Contents""; ""Preface""; ""Hidden symmetries in field theory""; ""Construction of locally-symmetric Lagrangian field theories from variational identities""; ""Introduction to the variational bicomplex""; ""Wess-Zumino terms, extended algebras, and anomalies in classical physics""; ""Scattering and complete integrability in four dimensions""; ""A candidate maximal torus in infinite dimensions""; ""Censorship, null geodesics, and strong visibility""; ""Quasilocal energy in general relativity""; ""The reduction of Einstein's vacuum equations on spacetimes with spacelike U(1)-isometry groups"" ""Finiteness theorems in Riemannian geometry and lattice quantum gravity""""Bihamiltonian manifolds and T-function""; ""On uniqueness in the large of solutions of Einstein's equations (""Strong cosmic censorship"")""; ""Reduction of degenerate non-autonomous Lagrangians""; ""On exactness of the variational bicomplex""; ""Geometric quantization and localization of relativistic spin systems""; ""Riemannian maps between Riemannian manifolds""; ""Stress-energy-momentum tensors and the Belinfante-Rosenfeld formula""; ""On the

use of auxiliary fields in classical mechanics and in field theory"

"Progress on strong cosmic censorship"; "Loop algebras and canonical quantum gravity"; "Prequantum BRST cohomology"; "Jacobian quasi-bialgebras and quasi-Poisson Lie groups"; "Deformations and quantum statistical mechanics"; "Canonical and BRST-quantization of constrained systems"; "Classical observables of Gauge theories from the multitemporal approach"; "Variational problems on graded manifolds"; "The regularity of variational problems"; "Homological (ghost) approach to constrained Hamiltonian systems"; "A deformation theory of self-dual Einstein spaces"

"What are the rules of the game called BRST?"; "SU(3) x SU(2) x U(1): The residual symmetry of conformal gravity"
