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	Quantum computers
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Nota di contenuto	Global differential geometric methods in elasticity and hydrodynamics GL(n, ?), tetrads and generalized space-time dynamics On boundary conditions for Yang-Mills fields in spatially bounded domains Parallel transport of phases An alternative approach to the quantization of linear relativistic field equations A lattice approximation of the dirac equation Some hidden aspects of hidden symmetry A baryon standard model for electroweak and strong interactions Is the physical vacuum really Lorentz-invariant? Quantization, coherent states and diffeomorphism groups Borel quantization and the origin of topological effects in quantum mechanics Symmetries of quantum group coupling coefficients Symmetry groups and spectrum generating groups Spectrum and

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	character formulae of so(3, 2) unitary representations Quantum theory of single events Symmetry, entropy and complexity Steps in the philosophy of quantum theory.
Sommario/riassunto	Differential geometry and analytic group theory are among the most powerful tools in mathematical physics. This volume presents review articles on a wide variety of applications of these techniques in classical continuum physics, gauge theories, quantization procedures, and the foundations of quantum theory. The articles, written by leading scientists, address both researchers and grad- uate students in mathematics, physics, and philosophy of science.