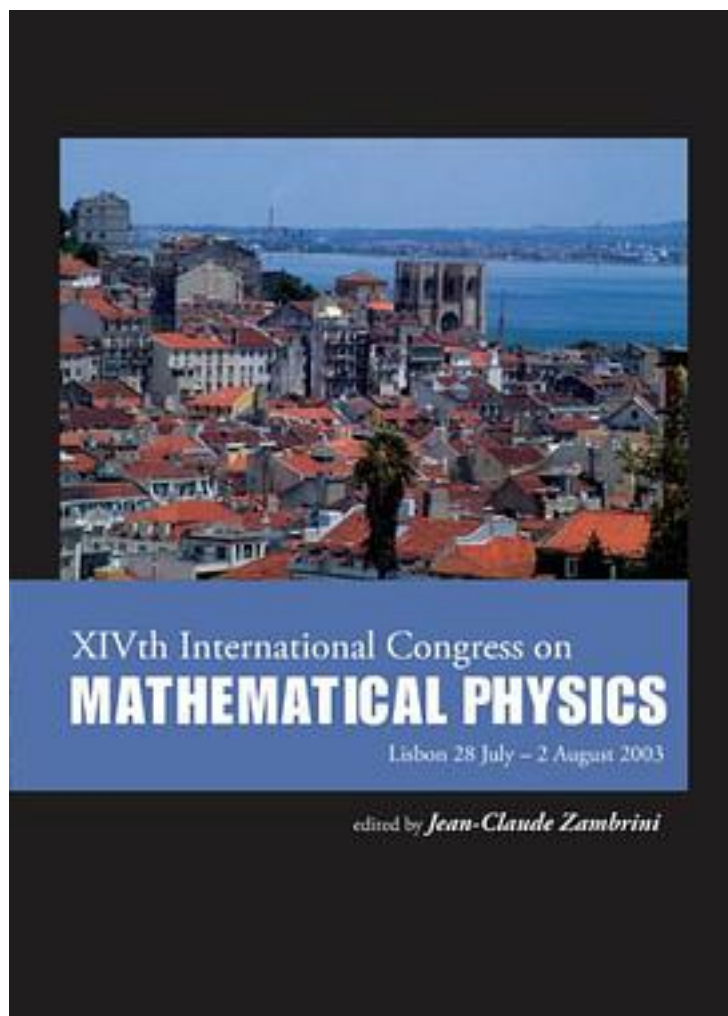


XIVth International Congress on Mathematical Physics



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In 2003 the XIV International Congress on Mathematical Physics (ICMP) was held in Lisbon with more than 500 participants. Twelve plenary talks were given in various fields of Mathematical Physics: E Carlen: "On the relation between the Master equation and the Boltzmann Equation in Kinetic Theory"; A Chenciner "Symmetries and "simple" solutions of the classical n-body problem"; M J Esteban: "Relativistic models in atomic and molecular physics"; K Fredenhagen: "Locally covariant quantum field theory"; K Gawedzki: "Simple models of turbulent transport"; I Krichever: "Algebraic versus Liouville integrability of the soliton systems"; R V Moody: "Long-range order and diffraction in mathematical quasicrystals"; S Smirnov: "Critical percolation and conformal invariance"; J P Solovej: "The energy of charged matter"; V Schomerus "Strings through the microscope"; C Villani: "Entropy production and convergence to equilibrium for the Boltzmann equation"; D Voiculescu: "Aspects of free probability". The book collects as well carefully selected invited Session Talks in: Dynamical Systems, Integrable Systems and Random Matrix Theory, Condensed Matter Physics, Equilibrium Statistical Mechanics, Quantum Field Theory, Operator Algebras and Quantum Information, String and M Theory, Fluid Dynamics and Nonlinear PDE, General Relativity, Nonequilibrium Statistical Mechanics, Quantum Mechanics and Spectral Theory, Path Integrals and Stochastic Analysis.

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