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Nota di contenuto	Preface; List of members of the scientific committee, the organizing committee and the invited speakers of ICVAM-2; CONTENTS; On 2-tori having a pole V. Bangert; The nonlinear Schroedinger equation: Existence, stability and dynamics of solitons V. Benci, M. Ghimenti and A. M. Micheletti; Turing patterns and standing waves in Fitzhugh-Nagumo type systems C.-N. Chen and S.-Y. Kung; Variational principle and linear stability of periodic orbits in celestial mechanics X. Hu and S. Sun; Remarks on mean value properties Y. Y. Li and L. Nguyen Brake orbits in bounded convex symmetric domains C. Liu and D. Zhang Elliptic systems on $\mathbb{R}^N$ with nonlinearities of linear growth Z. Liu, J. Su and Z.-Q. Wang; Recent progress on closed geodesics in some compact simply connected manifolds Y. Long; Shortest curves associated to a degenerate Jacobi metric on $T^2$ J. N. Mather; Topological bifurcation theory: Old and new J. Mawhin; An equivariant CW-complex for the free loop space of a Finsler manifold H.-B. Rademacher; Floer homology, relative braid classes, and low dimensional dynamics R. Vandervorst

Exponential growth rate of paths and its connection with dynamics Z. Xia and P. Zhang  
Rabinowitz's theorems revisited W. Zou

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Sommario/riassunto

In the last forty years, nonlinear analysis has been broadly and rapidly developed. Lectures presented in the International Conference on Variational Methods at the Chern Institute of Mathematics in Tianjin of May 2009 reflect this development from different angles. This volume contains articles based on lectures in the following areas of nonlinear analysis: critical point theory, Hamiltonian dynamics, partial differential equations and systems, KAM theory, bifurcation theory, symplectic geometry, geometrical analysis, and celestial mechanics. Combinations of topological, analytical (especiall

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