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Properties of $Sp(n)$	; 3.4 Quadratic Hamiltonians
3.5 The Inhomogeneous Symplectic Group	
3.6 An Illuminating Analogy	; 3.7 Gromov's Non-
Squeezing Theorem	; 3.8 Symplectic Capacity
and Periodic Orbits	; 3.9 Capacity and
Periodic Orbits	; 3.10 Cell Quantization of
Phase Space	; 4 ACTION AND PHASE
; 4.1 Introduction	
4.2 The Fundamental Property of the Poincare-Cartan Form	
4.3 Free Symplectomorphisms and Generating Functions	
; 4.4 Generating Functions and Action	; 4.5
Short-Time Approximations to the Action	
; 4.6 Lagrangian Manifolds	; 4.7 The Phase of a
Lagrangian Manifold	
4.8 Keller-Maslov Quantization	

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Sommario/riassunto

This book deals with the foundations of classical physics from the "symplectic" point of view, and of quantum mechanics from the "metaplectic" point of view. The Bohmian interpretation of quantum mechanics is discussed. Phase space quantization is achieved using the "principle of the symplectic camel", which is a recently discovered deep topological property of Hamiltonian flows. The mathematical tools developed in this book are the theory of the metaplectic group, the Maslov index in a precise form, and the Leray index of a pair of Lagrangian planes. The concept of the "metatron" is introduc

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