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Altri autori (Persone)	LifshitzE. M SykesJ. B BellJ. S
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29. Resonance in non-linear oscillations
30. Motion in a rapidly oscillating field; Chapter 6. Motion of a Rigid Body; 31. Angular velocity; 32. The inertia tensor; 33. Angular momentum of a rigid body; 34. The equations of motion of a rigid body; 35. Eulerian angles; 36. Euler's equations; 37. The asymmetrical top; 38. Rigid bodies in contact; 39. Motion in a non-inertial frame of reference; Chapter 7. The Canonical Equations; 40. Hamilton's equations; 41. The Routhian; 42. Poisson brackets; 43. The action as a function of the co-ordinates; 44. Maupertuis' principle
45. Canonical transformations
46. Liouville's theorem; 47. The Hamilton-Jacobi equation; 48. Separation of the variables; 49. Adiabatic invariants; 50. Canonical variables; 51. Accuracy of conservation of the adiabatic invariant; 52. Conditionally periodic motion; Index

Sommario/riassunto

Devoted to the foundation of mechanics, namely classical Newtonian mechanics, the subject is based mainly on Galileo's principle of relativity and Hamilton's principle of least action. The exposition is simple and leads to the most complete direct means of solving problems in mechanics. The final sections on adiabatic invariants have been revised and augmented. In addition a short biography of L D Landau has been inserted.
