



Geometry, Mechanics, and Dynamics

By Newton, Paul / Holmes, Phil

Book Condition: New. Publisher/Verlag: Springer, Berlin | Volume in Honor of the 60th Birthday of J.E. Marsden | Jerry Marsden, one of the world's pre-eminent mechanics and applied mathematicians, celebrated his 60th birthday in August 2002. The event was marked by a workshop on "Geometry, Mechanics, and Dynamics" at the Fields Institute for Research in the Mathematical Sciences, of which he was the founding Director.

Rather than merely produce a conventional proceedings, with relatively brief accounts of research and technical advances presented at the meeting, we wished to acknowledge Jerry's influence as a teacher, a propagator of new ideas, and a mentor of young talent. Consequently, starting in 1999, we sought to collect articles that might be used as entry points by students interested in fields that have been shaped by Jerry's work. At the same time we hoped to give experts engrossed in their own technical niches an indication of the wonderful breadth and depth of their subjects as a whole. This book is an outcome of the efforts of those who accepted our invitations to contribute. It presents both survey and research articles in the several fields that represent the main themes of Jerry's work, including elasticity and analysis, fluid mechanics, dynamical systems theory, g...



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