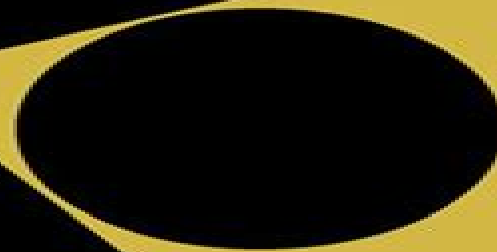


Classical Dynamics **of particles** **and systems**

Jerry B. Marion



Academic Press
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Classical Dynamics Of Particles And Systems

Habil Klaus Blaum, Frank Herfurth



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Trapped Charged Particles and Fundamental Interactions Habil Klaus Blaum, Frank Herfurth, 2008-08-27 The development of ion traps has spurred significant experimental activities able to link measurable quantities to the most fundamental aspects of physics The first chapter sets the scene and motivates the use of ion traps with an in depth survey of the low energy electroweak sector of the standard model amenable to precision test The next parts then introduce and review aspects of the theory simulation and experimental implementation of such traps Last but not least two important applications namely high resolution mass spectrometry in Penning traps and tests of fundamental physics such as the CPT theorem with trapped antiprotons are discussed This volume bridges the gap between the graduate textbook and the research literature and will assist graduate students and newcomers to the field in quickly entering and mastering the subject matter

University of California Union Catalog of Monographs Cataloged by the Nine Campuses from 1963 Through 1967: Subjects University of California (System). Institute of Library Research, University of California, Berkeley, 1972

Causality and Locality in Modern Physics G. Hunter, Stanley Jeffers, J.P. Vigiér, 2013-06-29 The Symposium entitled Causality and Locality in Modern Physics and Astronomy Open Questions and Possible Solutions was held at York University Toronto during the last week of August 1997 It was a sequel to a similar symposium entitled The Present Status of the Quantum Theory of Light held at the same venue in August 1995 These symposia came about as a result of discussions between Professor Stanley Jeffers and colleagues on the International Organizing Committee Professor Jeffers was the executive local organizer of the symposia The 1997 symposium attracted over 120 participants representing 26 different countries and academic institutions The broad theme of both symposia was the enigma of modern physics the non local and possibly superluminal interactions implied by quantum mechanics the structure of fundamental particles including the photon the reconciliation of quantum mechanics with the theory of relativity and the nature of gravity and inertia Jean Pierre Vigiér was the guest of honour at both symposia He was a lively contributor to the discussions of the presentations The presentations were made as 30 minute lectures or during an evening poster session Some participants did not submit a written account of their presentation at the symposium and not all of the articles submitted for the Proceedings could be included because of the publisher's page limit The titles and authors of the papers that had to be excluded are listed in an appendix

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