



Current and Future Directions in Applied Mathematics

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Birkhäuser. Hardcover. Book Condition: New. Hardcover. 261 pages. Dimensions: 9.5in. x 6.2in. x 0.7in.Mark Alber, Bei Hu and Joachim Rosenthal . . . vii Part I Some Remarks on Applied Mathematics Roger Brockett . . . 1 Mathematics is a Profession Christopher 1. Byrnes . . . 4 Comments on Applied Mathematics Avner Friedman . . . 9 Towards an Applied Mathematics for Computer Science Jeremy Gunawardena . . . 11 Infomercial for Applied Mathematics Darryl Holm . . . 15 On Research in Mathematical Economics M. Ali Khan . . . 21 Applied Mathematics in the Computer and Communications Industry Brian Marcus 25 frends in Applied Mathematics Jerrold E. Marsden . . . 28 Applied Mathematics as an Interdisciplinary Subject Clyde F. Martin . . . 31 vi Contents Panel Discussion on Future Directions in Applied Mathe- matics Laurence R. Taylor . . . 38 Part II Feedback Stabilization of Relative Equilibria for Mechanical Systems with Symmetry A. M. Bloch, J. E. Marsden and G. Sanchez . . . 43 Oscillatory Descent for Function Minimization R. Brockett . . . 65 On the Well-Posedness of the Rational Covariance Extension Problem C. l. Byrnes, H. J. Landau . . .



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