Additional Bibliography: Nonholonomic Mechanics and Control

1st Edition, 1st Printing
Version: May 5, 2004

Anthony Bloch, abloch@math.lsa.umich.edu

with the collaboration of

John Baillieul, johnb@engc.bu.edu
Peter Crouch, peter.crouch@asu.edu, and
Jerrold E. Marsden, marsden@cds.caltech.edu

This file contains some additional references for the book. These references will be included in the *second printing*.

References

Borisov, A.V. and I.S. Mamaev [2002], Rolling of a rigid body on plane and sphere *Regular and Chaotic Dynamics* **7**, 177-2000.

Borisov, A.V. and I.S. Mamaev [2003], Strange attractors in the dynamics of the rattleback, preprint.

Bou-Rabee, N. M., J. E. Marsden, and L. N. Romero [2004], Tippe top inversion as a dissipation induced instability, *SIAM J. on Appl. Dyn. Systems (to appear)*.

Ehlers, K., J. Koiller, R. Montgomery and P. M. Rios [2004], Nonholonomic Systems: Cartan's Equivalence and Hamiltonianization, preprint.

Federov, Y.N. and B. Jovanovićć [2004], Nonholonomic LR systems as generalized Chaplygin systems with an invariant measure and geodesic flows on homogeneous spaces to appear in the *Journal of Nonlinear Science*.

Jovanović, B. [2003], Some multidimensional integrable cases of nonholonomic rigid body dynamics *Regular and Chaotic Dynamics* **8**, 125-132.

Krasinskiy, A.Ya. [1988a], On the stability and stabilization of the points of equilibrium of nonholonomic system *J.Appl.Maths.Mechs* **52**, 194-202.

Krasinskiy, A.Ya. [1988b], On the stabilization of the steady motions of of nonholonomic mechanical systems *J.Appl.Maths.Mechs* **52**, 902-908.

Levi, M. [1993], Geometric phases in the motion of rigid bodies, *Arch. Rat. Mech. Anal.* **122**, 213-229.

Lurie, A. I. [2002], *Analytical Mechanics* (translation of 1961 Russian edition), Springer Verlag.

Papstavridis, J. G. [1998], A panoramic view overview of the principles and equations of advanced engineering dynamics *Applied Mechanics Reviews* **51**, 239-264.

Papastavridis, J. G. [1999], *Tensor calculus and analytical dynamics*, Library of Engineering Mathematics, CRC Press, Boca Raton, FL.

Papastavridis, J. G. [2002], *Analytical Mechanics - A Comprehensive Treatise on the Dynamics of Constrained Systems for Engineers, Physicists, and Mathematicians*, Oxford University Press.

Ramos, A. [2004], Poisson structures for reduced nonholonomic systems, math-ph/0401054.

Rumiantsev, V.V. [1996], The general equations of analytical mechanics *J.Appl.Maths.Mechs* **60**, 899-909.

Rand, R. [2003], Review of *Analytical Mechanics*, by A. I. Lurie, *SIAM Review* **45**, 156-159.

Śniatycki, J. [2002], The momentum equation and the second order differential equation condition, *Rep. Math. Phys.* **49**, 371–394.

Tavares, J. N. [2003], About Cartan geometrization of non-holonomic mechanics, *J. Geom. Phys.* **45**, 1–23.

Yoshimura, H. and J.E. Marsden [2004] Variational Principles, Dirac Structures, and Implicit Lagrangian Systems, preprint.