

Bibliography

- [1] ABRAHAM, R.; MARSDEN, J. E. **Foundations of mechanics**. second. ed., AMS Chelsea, 2008.
- [2] ARNOL'D, V. I. **Mathematical methods of classical mechanics**, volume 60. Springer, 1989.
- [3] BANGERT, V. **Mather sets for twist maps and geodesics on tori**. Springer, 1988.
- [4] BAO, D. D.-W.; CHERN, S. S. ; SHEN, Z. **An introduction to Riemann-Finsler geometry**, volume 200. Springer, 2000.
- [5] BUCATARU, I.; MIRON, R. **Finsler-Lagrange geometry: Applications to dynamical systems**. Editura Academiei Romane Bucuresti, 2007.
- [6] CARMO, M. P. D. **Geometria riemanniana**. Terceira. ed., IMPA, 2005.
- [7] CHEEGER, J.; EBIN, D. G. **Comparison theorems in Riemannian geometry**, volume 365. American Mathematical Soc., 1975.
- [8] CODDINGTON, E. A.; NORMAN, L. **Theory of Ordinary Differential Equations**. Mc-Graw-Hill, 1955.
- [9] CONTRERAS, G.; ITURRIAGA, R. **Global minimizers of autonomous Lagrangians**. IMPA, Rio de Janeiro, 1999.
- [10] DUBROVIN, B.; FOMENKO, A. ; NOVIKOV, S. **Modern Geometry-Methods and Applications: Part I: The Geometry of Surfaces, Transformation Groups, and Fields**, volume 1. Springer, 1991.
- [11] FIGALLI, A.; RIFFORD, L. **Closing Aubry sets ii. Communications of Pure and Applied Mathematics**, to appear.
- [12] GELFAND, I. M.; FOMIN, S. V. **Calculus of variations**. Courier Dover Publications, 2000.
- [13] GOMES, J. B.; RUGGIERO, R. O. **On finsler surfaces without conjugate points**. *Ergodic Theory and Dynamical Systems*, p. 1–20, 2013.

- [14] HERMAN, M.-R. Sur les courbes invariantes par les difféomorphismes de l'anneau vol. 1. **Astérisque**, v.103, p. 103–104, 1983.
- [15] HERMAN, M. R. Non existence of lagrangian graphs. available online in Archive Michel Herman: www.college-de-france.fr, 1990.
- [16] LI, Y.; NIRENBERG, L. The distance function to the boundary, finsler geometry, and the singular set of viscosity solutions of some hamilton-jacobi equations. **Communications on pure and applied mathematics**, v.58, n.1, p. 85–146, 2005.
- [17] MACKAY, R. S. A criterion for non-existence of invariant tori for hamiltonian systems. **Physica D: Nonlinear Phenomena**, v.36, n.1, p. 64–82, 1989.
- [18] MATHER, J. N. Destruction of invariant circles. **Ergodic Theory Dynam. Systems**, v.8, n.Charles Conley Memorial Issue, p. 199–214, 1988.
- [19] McDUFF, D.; SALAMON, D. **Introduction to symplectic topology**. Oxford University Press, 1998.
- [20] RADEMACHER, H.-B. A sphere theorem for non-reversible finsler metrics. **Mathematische Annalen**, v.328, n.3, p. 373–387, 2004.
- [21] RUGGIERO, R. On the density of mechanical lagrangians in T^2 without continuous invariant graphs in all supercritical energy levels. **Discrete and Continuous Dynamical Systems. Series B**, v.10, p. 2–3, 2008.
- [22] RUGGIERO, R. O. On the creation of conjugate points. **Mathematische Zeitschrift**, v.208, n.1, p. 41–55, 1991.
- [23] RUGGIERO, R. O. Nonexistence of invariant graphs in all supercritical energy levels of mechanical lagrangians in T^2 . **Bulletin of the Brazilian Mathematical Society**, v.37, n.3, p. 419–449, 2006.
- [24] TAKENS, F. A c^1 counterexample to moser's twist theorem. **Nederl. Akad. Wetensch. Proc.**, 1971.