Bibliography

[AA68]   V. I. Arnold and A. Avez. *Ergodic problems of classical mechanics*. Translated from the French by A. Avez. W. A. Benjamin, Inc., New York-Amsterdam, 1968.

[Aar97]   Jon Aaronson. *An introduction to infinite ergodic theory*, volume 50 of *Mathematical Surveys and Monographs*. American Mathematical Society, 1997.

[Arn83]   V. I. Arnold. *Geometrical methods in the theory of ordinary differential equations*, volume 250 of *Grundlehren der Mathematischen Wissenschaften [Fundamental Principles of Mathematical Science]*. Springer-Verlag, New York, 1983. Translated from the Russian by Joseph Szücs, Translation edited by Mark Levi.

[Arn99]   V. I. Arnold. *Mathematical methods of classical mechanics*, volume 60 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, 199? Translated from the 1974 Russian original by K. Vogtmann and A. Weinstein, Corrected reprint of the second (1989) edition.

[Arn92]   Vladimir I. Arnold. *Ordinary differential equations*. Springer Textbook. Springer-Verlag, Berlin, 1992. Translated from the third Russian edition by Roger Cooke.

[Bal00]   Viviane Baladi. *Positive transfer operators and decay of correlations*, volume 16 of *Advanced Series in Nonlinear Dynamics*. World Scientific Publishing Co. Inc., River Edge, NJ, 2000.

[Bir57]   Garrett Birkhoff. Extensions of Jentzsch's theorem. *Trans. Amer. Math. Soc.*, 85:219–227, 1957.

[Bir79]   Garrett Birkhoff. *Lattice theory*, volume 25 of *American Mathematical Society Colloquium Publications*. American Mathematical Society, Providence, R.I., third edition, 1979.

[BT07]   Viviane Baladi and Masato Tsujii. Anisotropic Hölder and Sobolev spaces for hyperbolic diffeomorphisms. *Ann. Inst. Fourier (Grenoble)*, 57(1):127–154, 2007.

[BY93]   Viviane Baladi and Lai-Sang Young. On the spectra of randomly perturbed expanding maps. *Comm. Math. Phys.*, 156:355–385, 1993.

[CC95]   Alessandra Celletti and Luigi Chierchia. A constructive theory of Lagrangian tori and computer-assisted applications. In *Dynamics reported*, volume 4 of *Dynam. Report. Expositions Dynam. Systems (N.S.)*, pages 60–129. Springer, Berlin, 1995.

[CH82]   Shui Nee Chow and Jack K. Hale. *Methods of bifurcation theory*, volume 251 of *Grundlehren der Mathematischen Wissenschaften [Fundamental Principles of Mathematical Science]*. Springer-Verlag, New York, 1982.

[CL55]   Earl A. Coddington and Norman Levinson. *Theory of ordinary differential equations*. McGraw-Hill Book Company, Inc., New York-Toronto-London, 1955.

[DS88]   Nelson Dunford and Jacob T. Schwartz. *Linear operators. Part I*. Wiley Classics Library. John Wiley & Sons Inc., New York, 1988. General theory, With the assistance of William G. Bade and Robert G. Bartle, Reprint of the 1958 original, A Wiley-Interscience Publication.

[DZ98]   Amir Dembo and Ofer Zeitouni. *Large deviations techniques and applications*, volume 38 of *Applications of Mathematics (New York)*. Springer-Verlag, New York, second edition, 1998.

[Euc78]   Euclide. *Les éléments. I, II*. Éditions du Centre National de la Recherche Scientifique (CNRS), Paris, french edition, 1978. Translated from the Greek by Georges J. Kayas.

[Gal83]   Giovanni Gallavotti. *The elements of mechanics*. Texts and Monographs in Physics. Springer-Verlag, New York, 1983. Translated from the Italian.

[GL06]   Sébastien Gouëzel and Carlangelo Liverani. Banach spaces adapted to Anosov systems. *Ergodic Theory Dynam. Systems*, 26:189–217, 2006.

[Her83]   Michael-R. Herman. *Sur les courbes invariantes par les difféomorphismes de l'anneau. Vol. 1*, volume 103 of *Astérisque*. Société Mathématique de France, Paris, 1983. With an appendix by Albert Fathi, With an English summary.

[Her86]   Michael-R. Herman. Sur les courbes invariantes par les difféomorphismes de l'anneau. Vol. 2. *Astérisque*, (144):248, 1986. With a correction to: ıt On the curves invariant under diffeomorphisms of the annulus, Vol. 1 (French) [Astérisque No. 103-104, Soc. Math. France, Paris, 1983; MR0728564 (85m:58062)].

[HK95]   Boris Hasselblatt and Anatole Katok. *Introduction to the modern theory of dynamical systems*. Cambridge university press, 1995.

[Hop39]   Eberhard Hopf. Statistik der geodätischen Linien in Mannigfaltigkeiten negativer Krümmung. *Ber. Verh. Sächs. Akad. Wiss. Leipzig*, 91:261–304, 1939.

[Hop40]   Eberhard Hopf. Statistik der Lösungen geodätischer Probleme vom unstabilen Typus. II. *Math. Ann.*, 117:590–608, 1940.

[HS74]   Morris W. Hirsch and Stephen Smale. *Differential equations, dynamical systems, and linear algebra*. Academic Press [A subsidiary of Harcourt Brace Jovanovich, Publishers], New York-London, 1974. Pure and Applied Mathematics, Vol. 60.

[IK00]   Alexander V. Isaev and Steven G. Krantz. Invariant distances
          and metrics in complex analysis. *Notices Amer. Math. Soc.*,
          47(5):546–553, 2000.

[Kat66]   Tosio Kato. *Perturbation theory for linear operators.* Die
          Grundlehren der mathematischen Wissenschaften, Band 132.
          Springer-Verlag New York, Inc., New York, 1966.

[Kel82]   Gerhard Keller. Stochastic stability in some chaotic dynam-
          ical systems. *Monatsh. Math.*, 94(4):313–333, 1982.

[Kif88]   Yuri Kifer. *Random perturbations of dynamical systems*, vol-
          ume 16 of *Progress in Probability and Statistics*. Birkhäuser
          Boston Inc., Boston, MA, 1988.

[KL99]   Gerhard Keller and Carlangelo Liverani. Stability of the
          spectrum for transfer operators. *Ann. Scuola Norm. Sup.
          Pisa Cl. Sci. (4)*, 28(1):141–152, 1999.

[Liv95]   Carlangelo Liverani. Decay of correlations. *Ann. of Math.
          (2)*, 142(2):239–301, 1995.

[LL76]   L. D. Landau and E. M. Lifshitz. *Course of theoretical
          physics. Vol. 1.* Pergamon Press, Oxford, third edition, 1976.
          Mechanics, Translated from the Russian by J. B. Skyes and
          J. S. Bell.

[LL01]   Elliott H. Lieb and Michael Loss. *Analysis*, volume 14 of
          Graduate Studies in Mathematics. American Mathematical
          Society, Providence, RI, second edition, 2001.

[LMD03]   Carlangelo Liverani and Véronique Maume-Deschamps.
          Lasota-Yorke maps with holes: conditionally invariant prob-
          ability measures and invariant probability measures on the
          survivor set. *Ann. Inst. H. Poincaré Probab. Statist.*,
          39(3):385–412, 2003.

[Mos01]   Jürgen Moser. *Stable and random motions in dynamical sys-
          tems.* Princeton Landmarks in Mathematics. Princeton Uni-
          versity Press, Princeton, NJ, 2001. With special emphasis