

## BIBLIOGRAFIA

Abraham R., Gardini L. e Mira C., *Discrete Dynamical Systems in two Dimensions*, Springer-Verlag, 1996.

Andronov A.A. e Chaikin S.E., *Theory of Oscillations*, Princeton University Press, Princeton, 1949.

Andronov A.A., Vitt E. e Khaiken S.E., *Theory of Oscillators*, Pergamon Press, Oxford, 1966.

Andronov A.A., Leontovich E.A., Gordon I.I. e Maier A.E., *Theory of Bifurcations of Dynamic Systems on a Plane*, Israel Program for Scientific Translation, J. Wiley and Sons, New York, 1973.

Antoci A., *La Dinamica dei Mercati Azionari: Alcuni Modelli*, Tesi di Laurea (Relatore A. Gay), Facoltà di Economia e Commercio Università di Firenze, Firenze, 1989.

Arneodo A., Collet P., Tresser C., Libchaber A., Maurer J. e d'Humières D., *On the Observation of an Uncompleted Cascade*, in *A Rayleigh-Bénard Experiment*, *Physica*, **7D**, 385-392, 1983.

Arnold V.I., *Small Denominators. I. Mappings of the Circumference onto itself*, *Am. Math. Soc. Transl., Ser. 2*, **46**, 213-284, 1965.

Arnold V.I., *Loss of Stability of Self-Oscillations Close to Resonance Vector Fields*, *Funct. Anal. Appl.*, **11**, 1-10, 1977.

Aronson D.G., Chory M.A., Hall G.R. e McGehee R.P., *Bifurcations from an Invariant Circle for Two-Parameter Families of Maps of the Plane: a computer assisted study*, *Commun. Math. Phys.*, **83**, 303-354, 1982

Auslander J., Bhatia N.P. e Seibert P., *Attractors in Dynamical Systems*, *Bol. Soc. Mat. Mex.*, **9**, 55-66, 1964.

Balatoni J. e Renyi A., *Publ. Math. Inst. of the Ungarian Acad. of Sci.*, **1**, 1956.

Bak P., Bohr T. e Jensen M.H., *Mode-Locking and the Transition to Chaos*, in *Dissipative Systems*, *Phys. Scr.*, **T9**, 50-58, 1984.

Banks J., Brooks J., Cairns G., Davis G. e Stacey R., *On Devaney's definition of Chaos*, American Mathematical Monthly, **99**, 332-334, 1992.

Barugola A., Cathala J.C. e Mira C., *Annular Chaotic Areas*, Nonlinear Analysis TM & A. 10(11), 1223-1236, 1986.

Bennetin G., Galgani L. e Strelcyn J., Phys. Rev., **A14**, 1976

Bennetin G., Galgani L., Giorgilli A. e Strelcyn J., Meccanica 15, **9**, 1980.

Bowen R., *On Axiom A Diffeomorphisms*, CBMS Regional Conference Series in Mathematics, No 35, Providence, Rhode Islands: Am. Math. Soc., 1978.

Coddington E. e Levinson N., *Theory of Ordinary Differential Equations*, New York: McGraw-Hill, 1955.

Collet P. e Eckmann J.-P., *Iterated Maps of the Interval as Dynamical Systems*, Progress in Physics, **1**, Birkhauser, Boston, 1978.

Collet P., Eckmann J.-P. e Lanford O.E., *Universal Properties of Maps on an Interval*, Commun. Math. Phys., **76**, 211-254, 1980.

Conley C., *Hyberbolic Sets and Shift Automorphisms. Dynamical Systems: Theory and Applications*, in Lecture Notes in Physics, vol. 38, Moser J. (ed.), 539-549, Berlin, Heidelberg, New York: Springer, 1975.

Crannel A., *The Role of Transitivity in Devaney's Definition of Chaos*, 1995.

Curry J. e Yorke J., *A Transition from Hopf Bifurcation to Chaos: Computer experiments on Maps in  $R^2$ . The Structure of Attractors in Dynamical Systems*, in Lecture Notes in Mathematics, vol. 668, 46-68, Berlin, Heidelberg, New York: Springer 1978.

Dana R.A. e Malgrange P., *The Dynamics of a Simple Version of a Growth Cycle Model*. In J.P. Ancot (ed.), *Analysing the Structure of Economic Models*, Martinus Nijhoff, 205-222, 1984.

Day R.H. e Huang W., *Bulls, Bears and Market Sheep*, MRG Working Papers n. M8822 , University of Southern California, Los Angeles, 1988.

Devaney R. L., *An Introduction to Chaotic Dynamical Sitems*, second edition,

Addison-Wesley, 1989.

Farmer J.D., *Chaotic Attractors of an Infinite Dimensional Dynamical Systems*, Physica, **4D**, 1982.

Farmer J.D., Ott E. e Yorke J.A., *The Dimension of Chaotic Attractors*, Physica, **7D**, 153-180, 1983.

Feigenbaum M., *Quantitative Universality for a Class of Nonlinear Transformations*, J. Statist. Phys., **19**, 22-52, 1978.

Frederickson P., Kaplan J.L., Yorke E.D. e Yorke J.A., *The Liapunov Dimension of Strange Attractors*, J. Diff. Eq., **49**, 185-207, 1983.

Galeotti M., *Cicli Limite in Modelli Macroeconomici*, Seminario tenuto presso l'Istituto Matematico "U. Dini" dell'Università di Firenze, non pubblicato, 1989.

Gori F. e Rinaldi F., *Comportamenti Caotici e Biforcazioni in un Modello Dinamico Discreto del Mercato Azionario : una Nota sulle Interazioni tra Livello dei Prezzi e Raccolta Netta dei Fondi*, Dipartimento di Matematica Applicata e Informatica, Università di Venezia, Venezia, 1989.

Grebogi C., Ott E. e Yorke J.A., *Crises, Sudden Changes in Chaotic Attractors, and Transient Chaos*, Physica **7D**, 181-200, 1983.

Guckenheimer J., *A Strange Strange Attractor*. In *The Hopf Bifurcation Theorem and its Applications*, Marsden and McCracken (eds). Berlin, Heidelberg, New York: Springer, 1976.

Guckenheimer J., *Sensitive Dependence on Initial Conditions for One-Dimensional Maps*, Commun. Math. Phys., **70**, 133-160, 1979.

Guckenheimer J. e Holmes P., *Nonlinear Oscillations, Dynamical Systems and Bifurcation of Vector Fields*, Berlin, Heidelberg, New York: Springer, 1983.

Gumowski I. e Mira C., *Solutions Chaotiques Bornées d'une Récurrence ou Transformation Ponctuelle du Second Ordre à inverse non Unique*, Comptes Rendus Acad. Sc. Paris, Serie A, 285, serie A, 477-480, 1977

Gumowski I. e Mira C., *Dynamique Chaotique*, Ed. Cépadues, Toulouse, 1980.

Herman M.R., *Sur la Conjugasion Différentiable des Diffeomorphismes du Cercle á*

*des Rotations*, Publ. Path. Ihes, **49**, 5-233, 1979.

Hausdorff, *Dimension und Außeres Maß*, Math. Annalen., **79**, 1918.

Holmes P.J. e Whitley D.C., *Bifurcations of One- and Two-Dimensional Maps*, Phil. Trans. R. Soc. Lond., **A311**, 43-102; Erratum, **312**, 601-602, 1984.

Iooss G., *Topics in Bifurcation of Maps and Applications*, Math. Stud. 36, Amsterdam: North Holland, 1979.

Kaplan J. e Yorke J.A., *Functional Differential Equations and the Approximation of Fixed Points, Proceedings*, Bonn, July 1978, Lecture Notes in Math. **730**, H.O. Peitgen and H.O. Walther (eds.), Berlin: Springer 1978.

Kolmogorov A.N., *A New Invariant for Transitive Dynamical Systems*, Dokl. Akad. Nauk SSSR, **119**, 861-864, 1958.

Lauwerier H.A., *Two-Dimensional Iterative Maps*. In A.V. Holden (ed.), *Chaos*, Manchester University Press, 58-95, 1986.

Lanford O. E., *A Computer-Assisted Proof of the Feigenbaum Conjectures*, Bull. Am. Math. Soc., **6**, 427-434, 1982.

Lorenz E.N., *Deterministic Nonperiodic Flow*, J. Atmos. Sci., **20**, 130-141, 1963.

Lorenz E.N., *Noisy Periodicity and Reverse Bifurcation*, in *Nonlinear Dynamics*, RHG Helleman (ed.), 282-291, New York Academy of Sciences: New York, 1980.

May R.M., *Simple Mathematical Models with Very Complicated Dynamics*, Nature, vol. 261, 459-467, 1976.

Maynard Smith J., *Mathematical Ideas in Biology*, Cambridge: Cambridge University Press, 1971.

Mendelson P., *On Unstable Attractors*, Bol. Soc. Mat. Mex., **5**, 270-276, 1960.

Metropolis N., Stein M.L. e Stein P.R., *On Finite Limit Sets for Transformations on the Unit Interval*, J. Combin. Theor., **A15**, 25-44, 1973.

Milnor J., *On the Concept of Attractor*,

Milnor J. e Thurston W., *On Iterated Maps of the Interval*,

Mira C., *Détermination Pratique du Domaine de Stabilité d'un Point d'Equilibre d'une Récurrence non Linéaire du Deuxième Ordre à Variables Réelles*, Comptes Rendus Acad. Sc., Parigi, A,261, groupe 2, 5314-5317, 1964.

Mira C. e Roubellat J.C., *Cas où le Domaine de Stabilité d'un Ensemble Limite Attractif d'une Récurrence du Deuxième Ordre n'est pas Simplement Connexe*, CRAS, t.268, serie A, 1657-1660, 1969.

Mira C. e Fournier-Prunaret D., Gardini L., Kawakami H. e Cathala J.C., *Basin Bifurcations of Two-Dimensional Noninvertible Maps: Fractalization of Basins*, International Journal of Bifurcation and Chaos, vol. 4, No.2, 343-381,1994.

Mira C. e Rauzy C., *Fractal Aggregation of Basin Islands in Two-Dimensional Quadratic Noninvertible Maps*, International Journal of Bifurcation and Chaos, vol. 5, 991-1019,1995.

Mira C., Gardini L., Barugola A. e Cathala J.C., *Chaotic Dynamics in Two-Dimensional Noninvertible Maps*, World Scientific, 1996

Newhouse S., *Diffeomorphisms with Infinitely Many Sinks*, Topology, **13**, 9-18, 1974.

Poincaré H., *Les Méthodes Nouvelles de la Mécanique Celeste*, Vol. 1-3, Gauthiers-Villars, Parigi, 1899.

Poli M., *Cicli Limite e Biforcazioni in Modelli Economici Rappresentati da Sistemi Dinamici nel Piano*, Tesi di Laurea in Matematica, (Relatore M. Galeotti), Facoltà di Scienze Matematiche, Fisiche e Naturali, Università di Firenze, Firenze, 1989.

Pomeau Y e Manneville P., *Intermittent Transition to Turbulence in Dissipative Dynamical Systems*, Commun. Math. Phys., **74**, 189-197, 1980.

Pounder J.R. e Rogers T.D., *The Geometry of Chaos: Dynamics of a Nonlinear Second-Order Difference Equation*, Bull. Math. Biol., **42**, 551-597, 1980.

Ruelle D., *Strange Attractors*, The Mathematical Intelligencer, **2**, 126-137, 1980.

Ruelle D. e Takens F., *On the Nature of Turbulence*, Coomun. Math. Phys., **20**, 167-192; **23**, 343-344, 1971.

Samuelson P.A., *Rational Theory of Warrant Pricing*, Industrial Management

Review, **6**, 13-39, 1965.

Singer D., *Stable Orbits and Bifurcation of Maps of the Interval*, SIAM J. Appl. Math., **35**, 260-267, 1978

Smale S., *Diffeomorphisms with Many Periodic Points. Differential and Combinatorial Topology*, 63-80, Princeton University Press, 1965.

Smale S., *Differential Dynamical Systems*, Bull. Amm. Math. Soc., **73**, 747-817, 1967.

Takens F., *Forced Oscillations and Bifurcations. Applications of Global Analysis*, Commun. Math. Inst. Riksuniversitat Utrecht, 1974.

Thompson J.M.T. e Stewart H.B., *Nonlinear Dynamics and Chaos*, John Wiley & Sons Ltd., 1986.

Vellekoop M. e Berglund R., *On Intervals, Transitivity=Chaos*, American Mathematical Monthly, **101**, 353-355, 1994.

Zeeman E., *On the Unstable Behavior of Stock Market Exchanges*, Journal of Mathematical Economics, vol.1, 39-49, 1974.

Williams R.F., *The Zeta Function of an Attractor*, p.p. 155-161 of Conference on the Topology of Manifolds, J. Hocking (ed.), Boston: Prindle, Weber & Schmidt, 1968.

Williams R.F., *Expanding Attractors*, Publ. Math. IHES, **43**, 169-203, 1974.

Ye Yian Qian, *Theory of Limit Cycles*, Am. Math. Soc. Translation of Mathematical Monographs, vol. 66, Providence, R.I., 1986.