CHRONICLE OF BOOKS ON FRACTAL GEOMETRY

Prepared for Benoit B. Mandelbrot (BBM)

10 December 2007

NOTES: THIS LIST DOES NOT CLAIM COMPLETENESS; FEEDBACK FROM READERS IS WELCOME.
• INCLUDED: SOME BOOKS BROUGHT UP BY A COMPUTER SEARCH AND SOME BOOKS THAT, JUDGING BY THEIR TITLES, CONCERN ECONOPHYSICS, TOPICS OF STATISTICAL PHYSICS HEAVY ON FRACTALS, AND THE LIKE
• OMITED: MOST BOOKS ON CHAOS OR ITERATION OF FUNCTIONS

TECHNICAL BOOKS ON FRACTALS
AND SPECIAL ISSUES OF TECHNICAL PERIODICALS

P. ADDISON • *Fractals and Chaos: an Illustrated Course* •
   Bristol UK & Philadelphia, PA: Institute of Physics Publishing • 1997.

R. ADLER, R. FELDMAN, & M.S. TAQQU • eds • *A Practical Guide to Heavy Tails:
   Statistical Techniques and Applications* • Basel and Boston: Birkhäuser • 1998.

A. AHARONY & J. FEDER • eds • *Fractals in Physics* • Proceedings of an International Conference honoring
   BBM on his 65th birthday • Vence, FR, 1-4 Oct. 1989 • Special issue of *Physica D* • **38**, Nos. 1-3
   • Paperback reprint • Amsterdam: North Holland • 1990.

K. ALLIGOOD, T. SUER & J. YORKE • *Chaos: An Introduction to Dynamical Systems* •
   New York: Springer •1997.

A. AMANN, L. CEDERBAUM & W. GANS • eds • *Fractals, Quasicrystals, Chaos, Knots and Algebraic
   Quantum Mechanics* • Maratea, 1987 Proceedings • Boston-Dordrecht: Kluwer • 1988.

D. APPLEBAUM • *Lévy Processes and Stochastic Calculus* • Cambridge: The University Press • 2004.

A. ARNÉODO, F. ARGOUL, B. BACRY, J. ELEZGARAY & J. F. MUZY • *Ondelettes, multifractales et
   turbulence* • Paris: Diderot • 1995.

P. ARY, P. GONÇALVÈS & J. LÉVY-VÉHEL • eds • *Lois d'échelles, fractales et ondelettes* •
   Two volumes • Paris: Hermès-Lavoisier • 2002.

M. ATTÉIA & J. GACHES • *Approximation Hilbertienne* • *splines, ondelettes, fractals* •
   Grenoble (FR): Presses Universitaires • 1999.

D. AVNIR • ed • *The Fractal Approach to Heterogeneous Chemistry* • New York: Wiley • 1989.

S. BALDO & C. TRICOT • *Introduction à la topologie des ensembles fractals* •
   Montréal: Centre de recherches mathématiques • 1991.

S. BALDO, F. NORMANT & C. TRICOT • *Fractals in Engineering* • Montréal 1994 Proceedings •
   Singapore: World Scientific • 1994.

C. BANDT, S. GRAF & M. ZÄHLE • 1995 • *Fractal Geometry and Stochastics* •
   Finsterbergen 1994 Proceedings • Basel & Boston: Birkhäuser • 1995.

A.-L. BARABASI & E. STANLEY • *Fractal Concepts in Surface Growth* •
   Cambridge: University Press • 1995.

F. BARDOU, J. BOUCHAUD, A. ASPECT, & C. COHEN-TANNOUDJI • *Lévy Statistics and Laser Cooling* •
   Cambridge University Press • 2001.

G. I. BARENBLATT • *Similarity, Self-similarity and Intermediate Asymptotics* •
   New York: Consultants Bureau • 1979 • Second Russian edition • Moscow • 1983.

O. E. BARNDORFF-NIELSEN, T. MIKOSH, & S. RESNIK • *Lévy Processes: Theory and Applications* •
   Basel: Birkhäuser • 2001.

M. F. BARNSLEY • *Fractals Everywhere* • Orlando FL: Academic Press • 1988 & 1994.
    • German Translation • *Fraktale überall* • Heidelberg: Spectrum • 1991.

M. F. BARNSLEY • ed • *Fractal approximation theory* • Special issue of *The Journal of Constructive
   Approximation* • Volume 5, No 1 • New York: Springer • 1989.

M. F. BARNSLEY • *SuperFractals: Patterns of Nature* • Cambridge: Cambridge University Press • 2006.

M. F. BARNSLEY & F. ANSON • *The Fractal Transform* • Wellesley MA: A. K. Peters • 1993.

M. F. BARNSLEY & S. DEMKO • eds • *Chaotic Dynamics and Fractals* •
   Orlando FL: Academic Press • 1987.

M. F. BARNSLEY & L. P. HURD • *Fractal Image Compression* •
   Wellesley MA: A. K. Peters • 1993.

M. F. BARNSLEY, D. SAUPE & E. R. VRSCAY • eds • *Fractals in Multimedia* •
   New York: Springer.

W. BARTH • *Fraktale, Long Memory und Aktienkurse* • *Eine statistische Analyse für den deutschen
   Aktienmarkt* • Bergisch Gladbach (Germany): Josef Eul • 1996.

C. C. BARTON & P. R. LAPOINTE • eds • *Fractal Geometry and its Use in the Earth Sciences* •
   New York: Plenum • 1995.

C. C. BARTON & P. R. LAPOINTE • eds • *Fractal Geometry and its Uses in the Geosciences and in
   Petroleum Geology* • New York: Plenum • 1995.

Y. BARYSHEV & P. TEERIKORPI • *Discovery of Cosmic Fractals* • Singapore: World Scientific • 2002.

J. C. BASSINGTHWAITE, L. S. LIEBOVITCH & B. J. WEST • *Fractal Physiology* •
   New York: Oxford University Press • 1994.

K. BATTY & P. LONGLEY • *Fractal Cities: A Geometry of Form and Function* • Academic Press • 1994.

P. BAVEYE, J. PARLANGE & B.A. STEWART • eds • *Fractals in Soil Science* • New York: Springer • 1998.

A. BEARDON • *Iteration of Rational Functions* • New York: Springer • 1991.

J. BÉLAIR & S. DUBUC • eds • *Fractal Geometry and Analysis* • Boston: Kluwer • 1991.

D. BEN-AVRAHAM & S. HAVLIN • *Diffusion and Reactions in Fractals and Disordered Systems* •
   Cambridge University Press • 2000.

J. BERTOIN • *Lévy Processes* • Cambridge University Press • 1996.

G. BIARDI, M. GIONA & A. R. GIONA • ed • *Chaos and Fractals in Chemical Engineering* •
   Rome 1993 Proceedings • Singapore: World Scientific • 1995.

J. M. BLACKLEDGE, A. K. EVANS, & M. J. TURNER • eds • *Fractal Geometry: Mathematical
   Methods, Algorithms, Application* • Albion/Horwood • 2004.

R. L. BLUMBERG-SELINGER, J. J. MECHOLSKY, A. E. CARLSSON, & E. R. FULLER JR. •
   eds • *Fracture-Instability Dynamics, Scaling and Ductile/Brittle Behavior* • Proceedings of the M.R.S.
   Fall Meeting, 1995, Boston • Pittsburgh PA: Materials Research Society • 1995.

K. S. BIRDI • ed • *Fractals in Chemistry, Geochemistry, and Biophysics* • New York: Plenum • 1993.

N. BOCCARA & M. DAOUD • eds • *Physics of Finely Divided Matter* • Berlin: Springer • 1985.

B. A. BONDARENKO • *Generalized Pascal Triangles and Pyramids; their Fractals, Graphs, and Applications*
   • Tashkent (USSR): Publishing House of the Uzbek Academy of Sciences • 1990. •
   English translation by R. C. Bollinger • Santa Clara CA: The Fibonacci Association • 1993.

J. P. BOUCHAUD & M. POTTERS • *Théorie des risques financiers* • Saclay: Aléa • 1997.
   • English translation • *Theory of Financial Risks* • Cambridge University Press • 2000.

C. BOVILL • *Fractal Geometry in Architecture and Design* • Basel & Boston: Birkhaüser • 1996.

H. BROWN & B. WEST • eds • *Scaling in Biology* • Oxford: The University Press • 2000.

A. BUNDE & S. HAVLIN • eds • *Fractals and Disordered Systems* • New York: Springer • 1991.

A. BUNDE & S. HAVLIN • eds • *Fractals in Science: An Interdisciplinary Approach* •
   New York: Springer • 1994.

A. BUNDE, J. KROPP & H.-J. SCHELLNHUBER • *The Science of Disasters, Climate Disruptions,
   Heart Attacks, and Market Crashes* • New York: Springer • 2003.

A. B. CAMBEL • *Applied Chaos Theory* • New York: Academic • 1992.

L. CARLESON & T. GAMELIN • *Complex Dynamics* • New York: Springer • 1993.

A. CARPINTERI • ed • *Size-Scale Effects in the Failure Mechanisms of Materials and Structures* •
     London: E & FN Spon (Chapman & Hall) • 1996.

A. CARPINTERI & F. MAINARDI • ed • *Fractals and Fractional Calculus in Continuum Mechanics* •
     Wien: Springer • 1997.

R. CHAPMAN & J. C. SPROTT • *Images of a Complex World* •*The Art and Poetry of Chaos* • with CD-ROM
     Singapore: World Scientific • 2005.

F. CHEN, S. LI, Y. WU & Y. ZHANG • *Mathematics Experiments* • Singapore: World Scientific • 2003

G. CHERBIT • ed • *Fractals: dimensions non entières et applications* • French • Paris: Masson • 1987 •
     English translation • *Non-Integral Dimensions and Applications* • New York: Wiley • 1991.

D. CHORAFAS • *Chaos Theory in the Financial Markets* • *Applying Fractals, Fuzzy Logic, Genetic
     Algorithms, Swarm Simulations and the Monte Carlo Method to Manage Markets* •
     Probus Publishing Co. • 1994.

R. CONT & P. TANKOV • *Financial Modeling with Jump Processes* • London: Chapman & Hall/CRC • 2004.

F. CRAMER • *Chaos and Order* • New York: VCH • 1993.

A. J. CRILLY, R. A. EARNSHAW & H. JONES • *Applications of Fractals and Chaos:
     The Shape of Things* • New York: Springer • 1993.

R. M. CROWNOVER • *Introduction to Fractals and Chaos* • Boston: Jones & Bartlett • 1995.

H. Z. CUMMINS, D. J. DURIAN, D. L. JOHNSON & H. E. STANLEY • eds • *Disordered Materials and
     Interfaces* • The fractal aspects • Proceedings of the MRS Fall Meeting, 1995,
     Boston • Pittsburgh PA: Materials Research Society • 1996.

J. CZYZ • *Paradoxes of measures and dimensions originating in Felix Hausdorff's ideas* •
     Singapore: World Scientific • 1994.

Y. DANG L.H. KAUFFMAN & D. SANDIN • *Hypercomplex Iterations* • *Distance Estimation,
     and Higher-Dimensional Fractals* • Singapore: World Scientific • 2002.

A. DAUPHINÉ • *Chaos, fractales et dynamiques en géographie* • Montpellier: GIP RECLUS • 1995.

G. DARYN • *Encompassing a Fractal World* • *The energetic female core in myth and everyday life* • a few
     lessons drawn from the Nepalese Himalaya • MD • Lexington Books • in progress.

G. DAVID & S. SEMMES • *Fractured Fractals and Broken Dreams; Self-similar Geometry through Metric
     and Measure* • Oxford: Clarendon Press • 1997.

B. S. DAYA SAGAR, • *Quantitative Methods of Certain Discrete Natural Features of Drainage Environment*
     • New Delhi: Allied Publishers • 2005

B. S. DAYA SAGAR, G. RANGARAJAM, & D. VENEZIANO • *Fractals in Geophysics* •
     Special Issue of *Chaos, Solitons & Fractals* • Volume 19, No. 2 • 2004.

M. DEKKING, J. LÉVY-VÉHEL, E.LUTTON & C. TRICOT • eds •
   Fractals: Theory and Applications in Engineering • New York: Springer • 1999.

R. L. DEVANEY •*Chaos, Fractals and Dynamics. Computer Experiments in Mathematics* •
   Reading MA: Addison Wesley • 1990.

R. L. DEVANEY • ed • *Dynamical Systems, Chaos and Fractals* •
   Special issue of *The College Mathematics Journal* • Volume 22, No.1 • 1991.

R. L. DEVANEY • *A First Course in Dynamical Systems: Theory and Experiment* •
   Reading MA: Addison Wesley • 1992.

R. L. DEVANEY • ed • *Complex Dynamical Systems: the Mathematics Behind the Mandelbrot
   and Julia Sets* • Proceedings of Symposia in Applied Mathematics, 49 •
   Providence, RI: American Mathematical Society • 1994.

R. L. DEVANEY • *Iteration: A Toolkit of Dynamics Activities* • Key Curriculum Press • 1998*.*

R. L. DEVANEY • *Fractals:: A Toolkit of Dynamics Activities* • Key Curriculum Press • 1998*.*

R. L. DEVANEY • *Chaos:: A Toolkit of Dynamics Activities* • Key Curriculum Press • 1999*.*

R. L. DEVANEY • *The Mandelbrot and Julia Sets:: A Toolkit of Dynamics Activities* •
   Key Curriculum Press • 1999*.*

R. L. DEVANEY & L. KEEN • eds • *Chaos and Fractals: The Mathematics Behind the Computer Graphics* •
   A.M.S. Short Course 1988, Lecture Notes • Providence RI: American Mathematical Society • 1988.

T. G. DEWEY • *Fractals in Molecular Biophysics* • New York: Oxford University Press • 1997.

T. G. DEWEY & M. M. NOVAK • *Fractal Frontiers* • Singapore: World Scientific • 1997.

V. P. DIMRI • *Application of Fractals in Earth Sciences* • London: Taylor & Francis • 2000.

V. P. DIMRI • ed • *Fractal Behavior of the Earth System* • Heidelberg & Berlin: Springer • 2004.

R. DOBRUSHIN & S. KUSUOKA • *Statistical Mechanics and Fractals* • New York: Springer • 1994.

P. DOUKHAN, G. OPPENHEIM, & M. TAQQU • *Long Range Independence:
   Theory and Applications* • Basel and Boston: Birkhäuser • 2001.

S. DUBUC • ed • *Atelier de géométrie fractale* • Montréal 1986 Proceedings
    • Special issue of *Annales des Sciences Mathématiques du Québec* • Volume 11, No. 1 • 1987.

J. DUBOIS & J. CHALINE • *Le monde des fractales* • *La géométrie cachée de la nature* • Paris: Ellipses •
   2006.

R. A. EARNSHAW, T. CRILLY & H. JONES • eds • *Fractals and Chaos* • New York: Springer • 1990.

D. S. EBERT, F. K. MUSGRAVE, D. PEACHEY, K. PERLIN, & S. WORLEY •
   Texturing & Modeling • *A Procedural Approach* • Third Edition •
   San Francisco CA: Morgan Kaufman (Elsevier Science USA) • 2003.

G. A. EDGAR • *Measure, Topology, and Fractal Geometry* • New York: Springer • 1990.

G. A. EDGAR • ed • *Classics on Fractals* • Reading MA: Addison Wesley • 1993.

G. A. EDGAR • *Integral, Probability, and Fractal Measures* • New York: Springer • 1998.

R. EGLASH • *African Fractals: Modern Computing and Indigenous Design* •
   New Brunswick NJ: Rutgers University Press • 1999.

M. EL NASCHIE & O. ROSSLER • Quantum Mechanics, Diffusion and Chaotic Fractals •
   New York: Pergamon • 1995.

P. EMBRECHTS & M. MAEJIMA. *Self-similar Processes* • Princeton University Press • 2002.

C. J. G. EVERTSZ, H.-O. PEITGEN & R. F. VOSS • eds • *Fractal Geometry and Analysis* •
   The Mandelbrot Festschrift, *Curação, 1995* • Singapore: World Scientific • 1996.

F. J. FABOZZI • *Fat-tailed and Skewed Asset Return Distributions* • *Implications for Risk Management,
   Portfolio Selection, and Option Pricing* • New York: Wiley.

K. J. FALCONER • *The Geometry of Fractal Sets* • Cambridge, UK: University Press • 1984.

K. J. FALCONER • *Fractal Geometry: Mathematical Foundations and Applications* •
   New York: Wiley • 1990.

K. J. FALCONER • *Techniques of Fractal Geometry* • New York: Wiley • 1997.

F. FAMILY & D. P. LANDAU • eds • *Kinetics of Aggregation and Gelation* •
   Athens, GA 1985 Proceedings • Amsterdam, North Holland • 1984.

F. FAMILY, P. MEAKIN, B. SAPOVAL & R. WOOL • eds • *Fractal Aspects of Materials* •
   MRS Symposium, Boston • Pittsburgh: Materials Research Society • 1995.

F. FAMILY & T. VICSEK • eds • *Dynamics of Fractal Surfaces* • Singapore: World Scientific • 1991.

L. T. FAN, D. NEOGI & M. YASHIMA • *Elementary Introduction of Spatial and Temporal Fractals* •
   Lecture Notes in Chemistry **55** • New York: Springer • 1991.

M. FARGE, J. HUNT & J. C. VASSILICOS • eds • *Wavelets, Fractals and Fourier Transforms:
   New Developments and New Applications* • Oxford University Press • 1993.

J. FAUVEL, R. FLOOD & R. WILSON • eds • *Music and Mathematics from Pythagoras to Fractals* •
   Oxford: The University Press • 2003.

J. FEDER • *Fractals* • New York: Plenum • 1988.
   • Translations into Russian, Japanese, and Chinese.

J. FEDER & T. JOSSANG • *Fractals in Oil Technology* • Oslo: Fracton (limited distribution) • 1988.

P. FISCHER & W. SMITH • eds • *Chaos, Fractals and Dynamics* • New York: M. Dekker • 1985.

Y. FISHER • ed • *Fractal Image Compression* • *Theory and Application to Digital Images* •
   New York: Springer • 1994.

V. FLEURY • *Arbres de pierre : La croissance fractale de la matière* • Paris : Flammarion • 1998.

M. L. FRAME • *Fractals: a textbook* • In preparation.

M .L. FRAME & B. B. MANDELBROT • *Fractals, Graphics and Mathematical Education* • Washington DC:
   Mathematical Association of America & Cambridge UK: The University Press • 2002.

M. L. FRAME & B. B. MANDELBROT • *Panorama of Fractals and Their Uses* • web-published 2001.

P. FRANKHAUSER • *La fractalité des structures urbaines* • Paris: Anthropos/Economica • 1994.

A. FUMITA • *High School Mathematics Seminar* • Kyoto: Ritsumeikan High School • 2000.

A. GABRIELLI, F. SYLO-LABINI, M. JOYCE & L. PIETRONERO • *Statistical Physics for Cosmic Structures* •
New York: Springer • 2005.

M. GALLEGATI, A. P. KIRMAN, & M. MARSILI • *The Complex Dynamics of Economic Interaction* • *Essays in
   Economics and Econophysics* (Lecture Notes in Economics and Math Systems) • Springer • 2004.

J. GAO, Y. CAO, W. TUNG & J. HU • *Multiscale Analysis of Complex Time Series: Integration of Chaos and
   Random Fractal Theory, and Beyond* • Hoboken, New Jersey: John Wiley & Sons • 2007.

P. GASPARD • *Chaos, Scattering and Statistical Mechanics* • Cambridge: University Press • 1998.

M. J. GHAZALÉ • *Gnomon* • *From Pharaohs to Fractals* • Princeton NJ: Princeton University Press • 1999.

M. GIONA & G. BIARDI • eds. • *Fractals and Chaos in Chemical Engineering* • Singapore:
   World Scientific • 1997.

B. GOLTZ • *Fractal and Chaotic Properties of Earthquakes* • New York: Springer • 1998.

J. F. GOUYET • *Physique et structures fractales* • Paris: Masson • 1992 •
   Physics and Fractal Structures • New York: Springer • 1996.

P. GRABNER & W. WOESS • eds • *Fractals in Graz 2001* •
   Analysis – Dynamics – Geometry – Stochastics • Basel: Birkhaüser • 2003.

M. GRAETZEL & J. WEBER • *Fractal Structures, Fundamentals and Applications in Chemistry* •
   Special issue of *New Journal of Chemistry* • Volume 14 No.3 • March 1990.

C. GUANGYUE ET AL • eds • *Fractal Theory and its Applications* • Proceedings of the First National
   Scientific Congress • Chinese • Chengdu (CN): Sichuan University Press • 1989.

D. GULICK • *Encounters with Chaos* • New York: McGraw-Hill • 1992.

K. HAGGARD & P. COOPER, with C. GYOVAI • *Fractal Architecture* • *Design for Sustainability* •
   North Charleston SC: Booksurge • 2006.

H. H. HARDY & R. A. BEIER • *Fractals in Reservoir Engineering* • Singapore: World Scientific • 1994.

A. HARRISON • *Fractals in Chemistry* • Oxford University Press • 1995.

D. HARTE • *Multifractals: Theory and Applications* •
  Boca Raton FL & London: CRC Press / Chapman & Hall • 2001

H. M. HASTINGS & G. SUGIHARA • *Fractals: A User's Guide for the Natural Sciences* •
  Oxford University Press • 1994.

H. HAWKINS • *Strange Attractors. Literature, Culture and Chaos Theory* •
  New York: Prentice-Hall • 1995.

D. HE & M. LAPIDUS • Generalized Minkowski Content, Spectrum of Fractal Drums, Fractal Strings,
  and the Riemann Zeta-Function • Providence, RI: American Mathematical Society • 1997.

A. HECK & T. N. PERDANG • eds • *Applying Fractals in Astronomy* • New York: Springer • 1991.

G. HELMBERG • *Getting Acquainted with Fractals* • Berlin & New York: de Gruyter • 2007.

I. HERPE-LITWIN • ed. *L'irruption des géométries fractales dans les sciences* • *Une apologie de l'oeuvre de
  Benoît Mandelbrot* • Paris: Académie Européenne Interdisciplinaire des Sciences • 2006.

G. HERREN • *Fractales* • Errepar.

R. HILFER • ed • *Applications of Fractional Calculus in Physics* •
  Singapore: World Scientific • 2000

E. HILLEL & D. ELRICK • *Scaling in Soil Physics: Principles and Applications* •
  Soil Science Society of America • 1990.

R. A. HOLMGREN • *A First Course in Discrete Dynamical Systems* • Second edition •
  New York: Springer • 1996.

A. J. HURD • ed • *Fractals: Selected Reprints* •
  College Park MD: American Association of Physics Teachers • 1989.

A. J. HURD, B. B. MANDELBROT & D. A. WEITZ • eds • *Fractal Aspects of Materials: Disordered Systems* •
  Extended Abstracts of a MRS Symposium, Boston • Pittsburgh PA: Materials Research Society • 1987.

P. M. IANNACCONE & M. KHOKHA • *Fractal Geometry in Biological Systems* •
  Boca Raton FL: CRC • 1996.

V. V. ISAEVA • *Synergetics for Biologists* • *An Introductory Course* • Moscow: Nauka • 2005.

ITERATED SYSTEMS, INC. • *Snapshots: True-Color Photo Images Using the Fractal Formatter* •
  Wellesley MA: A. K. Peters • 1992.

W.J. JACKSON • *Heaven's Fractal Net: Retrieving Lost Visions in the Humanities* •
  Bloomington IN: Indiana University Press • 2004.

G. JAMARIE: • *Maximum Entropy, Information Without Probability and Complex Fractals* •
  Classical and Quantum Approach •Dordrecht & Norwell • MA Kluwer 2000

T. JOHNSON • *Self-Similar Melodies* • Paris: Editions 75 (75, rue de la Roquette) • 1996.

E. T. JORGENSEN • *Analysis and Probability: Wavelets, Signals, Fractals* • New York: Springer • 2006.

R. JULLIEN & R. BOTTET • *Aggregation and Fractal Aggregation* • Singapore: World Scientific • 1987.

R. JULLIEN, J. KERTESZ, P. MEAKIN, AND D. E. WOLF • eds • *Surface Disordering: Growth, Roughening, and Phase Transitions* • Proceedings Les Houches 1992 • New York: Nova Science • 1993.

R. JULLIEN, L. PELITI, R. RAMMAL & N. BOCCARA • eds • *Universalities in Condensed Matter* •
    Les Houches, 1988, Proceedings • New York: Springer • 1988.

H. JÜRGENS & AL • eds • *Chaos und Fraktale* • Heidelberg: Spektrum der Wissenschaft • 1989.

J. A. KAANDORP • *Fractal Modeling: Growth and Form in Biology* • New York: Springer • 1994.

S. K. KACHIGAN • *The Fractal Notion: A Modern Analytical Tool* • New York: Radius Press • 1992.

T. KAMAE & S. TAKAHASHI • *Ergodic Theory and Fractals* • Japanese • Tokyo: Springer-Verlag • 1993.

D. KAPLAN & L. GLASS • *Understanding Nonlinear Dynamics* • New York: Springer • 1995.

I. H. KAUFMAN, J. E. MARTIN & P. W. SCHMIDT • eds • Fractal Aspects of Materials, 1989 •
    Extended Abstracts of a MRS Symposium, Boston •
    Pittsburgh PA: Materials Research Society • 1989.

B. KAYE • *A Random Walk through Fractal Dimensions* • New York: VCH • 1989.

B. KAYE • *Chaos & Complexity: Discovering the Surprising Pattern of Science and Technology* •
    New York: VCH • 1989.

J. KIGAMI • *Analysis on Fractals* • Cambridge University Press • 2001.

R. KLAGES • *Microscopic Chaos, Fractals and Transport in Nonequilibrium Statistical Mechanics* •
    Singapore: World Scientific • 2007.

G. KORVIN • *Fractal Models in the Earth Sciences* • Amsterdam: Elsevier • 1992.

J. KRIZ • *Chaos und Struktur: Systemtheorie* • Band 1 • Quint essence • 1993.

K. G. KRÖBER • *Das Märchen vom Apfelmännchen* • *I: Wege in die Unendlichkeit* •
    II: Reise durch das malumitische Universum • Reinbeck bei Hamburg: Rowohlt • 2000

J. H. KRUHL • ed • *Fractals and Dynamic Systems in Geoscience* • New York: Springer • 1994.

J. H. KRUHL & H. J. KÜMPEL • eds • *Fractals in Geoscience* • Special issue of *Geologische
    Rundschau/International Journal of Earth Sciences* (Springer) • Volume 85, No. 1 • 1996.

V. I. KUVSHINOV & D. W. SEROW • *Non-linear phenomena ...: fractals, ...* •
    Minsk: Academy of Sciences • 1993.

R. B. LAIBOWITZ, B. B. MANDELBROT & D. E. PASSOJA • eds • *Fractal Aspects of Materials* •
    Extended Abstracts of a MRS Symposium, Boston • Pittsburgh PA: Materials Research Society • 1985.

L. LAM • ed • *Nonlinear physics for beginners: Fractals,.....* • Singapore: World Scientific • 1997.

N. S-N LAM & L. DE COLA • eds • *Fractals in Geography* •
    Englewood Cliffs NJ: Prentice Hall • 1993.

M. L. LAPIDUS • ed • *Fractal Geometry and Applications* • *Jubilee of Benoit Mandelbrot* • 2 volumes •
    Providence RI: American Mathematical Society • 2004.

M. L. LAPIDUS • *In Search of the Riemann Zeros* • *Strings, Fractal Membranes, and Noncommuntative Spacetimes* • 2004.

M. L. LAPIDUS & M. van FRANKENHUYSEN • *Fractal Geometry and Number Theory* • *Complex Dimensions of Fractal Strings and Zeros of Zeta-Functions* • Boston, Basel & Berlin : Birkhaüser • 1999.

M. L. LAPIDUS & M. van FRANKENHUYSEN • *Fractal Geometry and Application* • *A Jubilee of Benoit Mandelbrot* • Proceedings of Symposia on Pure Mathematics: **72**, in two parts • Providence RI: American Mathematical Society • 2004.

M. L. LAPIDUS & M. van FRANKENHUYSEN • *Fractal Geometry, Complex Dimensions and Zeta Functions* • *Geometry and Spectra of Fractal Strings* • New York: Springer • 2006.

A. LASOTA & M. MACKEY • *Chaos, Fractals and Noise* • *Stochastic Aspects of Dynamics* • New York: Springer • 1994.

H. LAUWERIER • *Een wereld van Fractals* • Dutch • Amsterdam: Aramith • 1987 • English translation • *Fractals: Endlessly repeated geometrical figures* • Princeton University Press • 1991.

A. LE MÉHAUTÉ • *Les géométries fractales* • French • Paris: Hermès • 1990 • • English translation • *Fractal Geometries* • Boca Raton FL: CRC Press • 1991. • French translation • *Les géométries fractales*. Paris: Hermès.

A. LE MEHAUTÉ, L. NIVANEN & R.R NIGMATULLIN • *La géométrie fractale et la flèche du temps* • Paris: Hermès • 1998.

T. LEI • ed • *The Mandelbrot Set, Theme and Variations* • Cambridge University Press • 2000.

A. LESNE • *Méthodes de renormalisation: phénomènes critiques, chaos, structures fractales* • Paris: Eyrolles Sciences • 1996. • English translation • *Renormalization Methods: Critical Phenomena, Chaos, Fractal Structures* • New York: Wiley • 1998.

J. LÉVY-VÉHEL, E. LUTTON, & C. TRICOT • *Fractals in Engineering* • London: Springer • 1997.

J. LÉVY-VÉHEL & C. WALTER • *Les marchés fractals* • *Efficience, ruptures et tendances sur les marchés financiers* • Paris : Presses Universitaires de France • 2002.

L. S LIEBOVITCH • *Fractals and Chaos* • *Simplified for the Life Sciences* • New York: Oxford University Press• 1998.

T. LINDSTROM • *Brownian Motion on Nested Fractals* • Providence, RI: American Mathematical Society • 1990.

HUAJIE LIU • *Fractal Arts* • CN • 1997.

G. A. LOSA, D. MERLINI & R. MORESI • eds. • *Gli oggetti frattali* • Locarno: Cerfim • 1989.

G. A. LOSA, D. MERLINI, T.F NONNENMACHER & E. R WEIBEL • eds • *Fractals in Biology and Medicine* • *Volume II* • Basel: Birkhaüser • 1998.

G. A. LOSA, D. MERLINI, T.F NONNENMACHER & E. R WEIBEL • eds • *Fractals in Biology and Medicine* • *Volume III* • Basel: Birkhaüser • 2001.

G. A. LOSA, D. MERLINI, T.F NONNENMACHER & E. R WEIBEL • eds • *Fractals in Biology and Medicine* • *Volume IV* • Basel: Birkhaüser • 2005.

S. B. LOWEN & M. K. TEICH • *Fractal-based Point Processes* • New York: Wiley • 2005.

N. LESMOIR-GORDON, W. ROOD & R. EDNEY • *Introducing Fractal Geometry* • Cambridge UK: Icon Books & US: Totem Books • 2000

N. LU • *Fractal Imaging* • New York: Academic • 1997.

C. MADDEN • *Fractals in Music: Introductory Mathematics for Musical Analysis* • Salt Lake City UT: High Art Press • 1999.

B. MANDELBROT • *Les objets fractals: forme, hasard et dimension* • Paris: Flammarion • 1975.

B. MANDELBROT • *Les objets fractals: forme, hasard et dimension* • *2e édition* • Paris: Flammarion • 1984.
   • *Gli oggetti frattali: forma, caso e dimensione* • Italian Translation by Roberto Pignoni • Preface by Luca Peliti & Angelo Vulpiani • Torino: Giulio Einaudi, 1987.
   • *Los objetos fractales: forma, azar y dimensión* • Spanish Translation by Josep Maria Llosa • Barcelona: Tusquets, 1987.

B. MANDELBROT • *Les objets fractals: forme, hasard et dimension* • *3e édition* • suivie de *Survol du langage fractal* • Paris: Flammarion • 1989.
   • *Objektu fraktalak* • *forma, zoria eta dimensioa* • Basque Translation by Inaki Irazabalbeitia. Usurbil: Elhuyar • 1992.
   • *Fraktalnite obekti: forma, sluchianost i razmernost* • Bulgarian Translation by Petr Filipov Lazarov, Andrei Juliev Bakhner & Ilia Vasiliev Petrov • Sofia: St. Kliment Ohridski Press • 1996.
   • *Fraktály: Tvar, náhoda a dimenze*• Czech Translation by Jiri Fiala • Prague: Mladá fronta • 2003.
   • *Objectos fractais* • *forma, acaso e dimensão* • *seguido de panorama da linguagem fractal* • Portuguese Translation by Carlos Fiolhais & J. L. M. Lima • Lisboa PT, Gradiva • 1991
   • *Obiecte fractale* • Rumanian Translation by Florin Monteanu • Bucharest: Nemira • 1998.

B. MANDELBROT • *Les objets fractals: forme, hasard et dimension* • *4e édition* (collection de poche *Champs*) • Paris: Flammarion • 1995.
   • Chinese Translation by Wen Zhi Ying • Beijing: World Publishing Corporation • 1998.

B. MANDELBROT • *Fractals: Form, Chance and Dimension* • San Francisco CA: W. H. Freeman and Company • 1977.

B. MANDELBROT • *The Fractal Geometry of Nature* • New York NY: W. H. Freeman and Company • 1982.
   • *Da Tsi-ran De Fen-hsing Ji-he* • Chinese Translation by Yongnian Huang & Shouji Chen • Shanghai: Far East Publishers • 1998.•
   • *Die fraktale Geometrie der Natur* • German Translation by Reinhilt & Ulrich Zähle • Basel: Birkhäuser 1987. East German (DDR) printing. Berlin: Akademie-Verlag • 1987.
   • *Fraktal Kikagaku*. Japanese Translation directed by Heisuke Hironaka • Tokyo: Nikkei Science • 1984.
   • *Fraktalnaya Geometria Prirody*. • Russian Translation by A.R. Lorunova & A. D. Morozova • Moscow & Izhevsk: Scientific Publishing Center • 2002.

  • *La geometría fractal de la naturaleza* • Spanish translation by Josep Maria Losa •
Barcelona: Tusquets • 1997.

B. MANDELBROT • *Fractals: Basic Concepts, Computation and Rendering* •
  Notes for a course given in San Francisco CA on July 23, 1985 at SIGGRAPH 85.
  (Association for Computing Machinery; Special Interest Group on Computer Graphics.)
  • Reprint with additions and deletions • Professional Development Seminar given in
  Boston, MA on March 3, 1986. (Boston Chapters of Siggraph and ACM.)

B. MANDELBROT • *Ensembles fractals* •
  Notes de l'école d'hiver CEA - EDF - INRIA • Roquencourt (FR) Jan. 1987.
B. B. MANDELBROT • *La geometria della natura* •
  Milano: Imago (per Montedison Progetto Cultura) • 1987 • Roma: Edizioni Theoria • 1989.

B. B. MANDELBROT • *Fractals and Scaling in Finance: Discontinuity, Concentration, Risk* •
  Selecta, Volume E • New York: Springer • 1997.

B. B. MANDELBROT • *Fractales, hasard et finance* • *Selecta,* Volume FE • Paris: Flammarion •
  Collection *Champs* • 1997.
  • Russian translation: Moscow & Izhevsk: Scientific Publishing Center

B. B. MANDELBROT • *Multifractals and 1/f Noise: Wild Self-Affinity in Physics* •
  Selecta, Volume N • New York: Springer •1999.

B. B. MANDELBROT • *Nei mondo dei frattali* • Rome: di Renzo • 2001.

B. B. MANDELBROT • *Gaussian Self-Affinity & Fractals: Globality, the Earth, 1/f Noise & R/S* •
  Selecta, Volume H • New York: Springer • 2002.

B. B. MANDELBROT • *Fractals and Chaos: The Mandelbrot Set and Beyond* •
  Selecta, Volume C • New York: Springer • 2004.
  • Russian translation announced for 2007. Moscow & Izhevsk: Scientific Publishing Center

B. B. MANDELBROT • Virtual books • On the website http://www.math.yale.edu/mandelbrot

B. B. MANDELBROT & R. L. HUDSON • The (Mis)behavior of Markets •
  A Fractal View of Risk, Ruin, and Reward • New York: Basic Books & London: Profile. • 2004.
  • Mercados financeiros fora de controle • A teoria dos fractais explicando o comportamento dos
  mercados • Translation by Alfonso Celso da Cunha Serra •
  Sao Paulo, BR: Elsevier and Editora Campus, • 2004.
  • Une approche fractale des marchés • Risquer, perdre et gagner •
  Translation by Marcel Filoche • Paris, FR: Odile Jacob, • 2005.
  • *Fraktale und Finanzen • Märkte zwischen Risiko, Rendite und Ruin* •
  Translation by Helmut Reuter • München, DE: Piper Verlag, • 2005.
  • *Il disordine dei mercati • Una visione frattale di rischio, rovina e redditività* •
  Translation by Simonetta Frediani • Torino, IT: Einaudi, • 2005.
  • *O (Mau)Comportamento dos Mercados: Uma visão fractal do risco, da ruína e do rendimento* •
  Translation by Miiguel Marques • Lisbon, PT: Gradiva, • 2006.
  • *Fractales y finanzas. Una aproximación matemática a los mercados:*
  arriesgar, perder y ganar. • Translation by Ambrosio García Leal • Barcelona, ES: Tusquets, • 2006.
  • *Ο πινακας του χαους. Γιατί καταρρέουν οι αγορές.* Μπτενουά Μάντελμπτρρτ & Ρίσαρντ Λ. Χάντσον.
  Τραυλος, Αθήνα (Athens, GR: Travlos), • 2006.
  • *Finans Piyasalarinda (sakli) Düzen / Risk, Cöküs ve Kazanca Fraktal Yaklasimlar* •

Translation by Gülsah Karadag • Istanbul, TR: Güncel Publishing, • 2006.
• *(Не)послушные рынки: фрактальная революция в финансах*. Moscow, RU: Williams • 2006.

B. B. MANDELBROT & D. E. PASSOJA • eds • *Fractal Aspects of Materials: Metal and Catalyst Surfaces, Powders and Aggregates* • Extended Abstracts of a MRS Symposium, Boston •
Pittsburgh PA: Materials Research Society • 1984.

R.N. MANTEGNA & H. E. STANLEY • *An Introduction to Econophysics* • *Correlations and Complexity in Finance* • Cambridge University Press • 1999.

J. E. MARTIN & A. J. HURD • *Fractals in Materials Science* • M.R.S. Fall Meeting Course Notes •
Pittsburgh PA: Materials Research Society • 1986, 1987, 1988, and 1989.

P. R. MASSOPUST • *Fractal Functions, Fractal Surfaces and Wavelets* • Academic Press • 1994.

M. MATSUSHITA • *Physics in Fractals* • *An Introduction* • Tokyo: Shokabo • 2002.

M. MATSUSHITA • *Fractals in Physics* • *Applications* • Tokyo: Shokabo • 2004.

P. MATTILA • *Geometry of Sets and Measures in Euclidean Spaces* • *Fractals and Rectifiability*
• Cambridge University Press • 1995.

G. MAYER-KRESS • ed • *Dimensions and Entropies in Chaotic Systems* • Pecos River, 1985
Proceedings • New York: Springer • 1986.

J. L. MCCAULEY • *Chaos, Dynamics and Fractals* • *an Algorithmic Approach to Deterministic Chaos* •
Cambridge University Press • 1993.

J. L. MCCAULEY • *Dynamics of Markets: Econophysics and Finance* • Cambridge University Press • 2004.

C. McMULLEN • *Complex Dynamics and Renormalization* • Princeton University Press • 1994.

P. MEAKIN • *Fractals, Scaling and Growth Far From Equilibrium* • Cambridge University Press • 1996.

H. MEINHARDT • *The Algorithmic Beauty of Sea Shells* • Second Edition • New York: Springer • 1998.

Y. MEYER • *Wavelets, Vibrations and Scalings* • Providence, RI: American Mathematical Society • 1997.

R. K. MILLER & T. C. WALKER • *Chaos, Fractals and Non-Linear Dynamic Systems* •
Lilburn, G: Future Technology Surveys • 1989.

R. K. MILLER & T. C. WALKER • *Fractals & Chaos: Exploiting Real-World Applications* •
Norcross, G: SEAI Technical Publications • 1991.

S. MIYAZIMA • ed • *Future of Fractals* • Chubu, 1995 Proceedings • Singapore: World Scientific • 1996.

F. C. MOON • Chaotic and Fractal Dynamics • An Introduction for Applied Scientists and Engineers •
New York: Wiley • 1992.

A. D. MOROZOV, T.N. DRAGUNOV, S.A. BOYKOVA & O.V. MALYSHEVA • *Invariant Sets for Windows* •
Resonance Structures, Attractors, Fractals and Patterns • Singapore, World Scientific • 1999.

B. MUMFORD, C. SERIES, & D.J. WRIGHT • Indra's Pearls • The Vision of Felix Klein •
    Cambridge University Press • 2002.

M. NAKAGAWA • *Chaos and Fractals in Engineering* • Singapore: World Scientific • 1999.

T. NAKAYAMA & K. YAKUBO • *Fractal Concepts in Condensed Matter Physics* • New York: Springer • 2003.

A. V. NEIMARK • *Percolation and Fractals in Colloid and Interface Science* •
    Singapore: World Scientific • 1993.

V. NEKRASEVYCH • *Self-Similar Groups* • Providence RI: American Mathematical Society • 2005.

J. P. NOLAN • *Proceedings of Heavy Tails Conference* • Washington, DC: American University Math/Stat
    Department • 1999.

K. NISHIZAWA • ed. • *Convexity, Chaos and Fractals* • Proceedings of the First Symposium
    on Non-Linear Analysis • Science Bulletin of Joasi University • 1997.

J. P. NOLAN • *Stable Distributions: Models for Heavy-Tailed Data* • Basel and Boston: Birkhäuser • 2001.

T. F. NONNENMACHER, G. A. LOSA & E. R. WEIBEL • eds • *Fractals in Biology and Medicine* •
    Basel: Birkhäuser • 1993.

L. NOTTALE • *Fractal Space-time and Microphysics* • *Towards a Theory of Scale Relativity* •
    Singapore: World Scientific • 1995.

L. NOTTALE • *La relativité dans tous ses états* • Paris: Hachette • 1998.

L. NOTTALE, J. CHALINE & P. GROU • L*es arbres de l'évolution* • *Univers, vie et sociétés* •
    Paris: Hachette • 2000.

M. M. NOVAK • ed • *Fractals in the Natural and Applied Sciences* •
    Amsterdam: North-Holland • 1994.

M. M. NOVAK • ed • *Fractal Reviews in the Natural and Applied Sciences* •
    London: Chapman & Hall • 1995.

M. M. NOVAK • ed • *Fractals and Beyond* • *Complexities in the Sciences* •
    Singapore: World Scientific • 1998.

M. M. NOVAK • ed • *Paradigms of Complexity* • *Fractals and Structures in the Sciences* •
    Singapore: World Scientific • 2000.

M. M. NOVAK • ed • *Emergent Nature* • *Patterns, Growth, and Scaling in the Sciences* •
    Singapore 2000 • Singapore: World Scientific • 2002.

M. M. NOVAK • ed • *Thinking in Patterns* • *Fractals and Related Phenomena in Nature* •
    Vancouver 2004 • Singapore: World Scientific • 2004.

M. M. NOVAK • ed. • *Complexus Mundi* • *Emergent Patterns in Nature* • Vienna 2006 •
    Singapore: World Scientific • 2006.

M. M. NOVAK & T.G. DEWEY • eds • *Fractal Frontiers* • Singapore: World Scientific • 1997.

L. OLSEN • *Random Geometrically Graph Directed Self-Similar Multifractals* • Pitman • 1994.

J. OLSSON • *Scaling and Fractal Properties of Rain* • Lund University • 1996

F. OTT • *Chaos in Dynamical Systems* • Cambridge University Press • 1993.

A. OUSTALOUP • *La dérivation non entière* • Paris: Hermès • 1995.

J. PALIS & F. TAKENS • *Hyperbolicity, Stability and Chaos at Homoclinic Bifurcations: Fractal Dimensions and Infinitely Many Attractors in Dynamics* • Cambridge University Press • 1993.

R. PASTOR-SATORRAS & A. VESPIGNANI • *Evolution and Structure of the Internet: A Statistical Physics Approach* • Cambridge University Press • 2004.

D. PEAK & M. FRAME • *Chaos Under Control* • *The Art and Science of Complexity* • New York: Freeman • 1994 • German translation • *Komplexität-das gezähmte Chaos* • Basel: Birkhäuser • 1995.

H.-O. PEITGEN • *Newton's Method and Dynamical Systems* • Dordrecht: Kluwer • 1989.

H.-O. PEITGEN, H. JÜRGENS, & D. SAUPE • *Fractals for the Classroom* •
   Part I: Introduction to Fractals and Chaos • New York: Springer • 1991.
   Part II: Complex Systems and the Mandelbrot Set • New York: Springer • 1992.

H.-O. PEITGEN, H. JÜRGENS, & D. SAUPE • *Chaos and Fractals: New Frontiers of Science* •
   New York: Springer • 1992.

H.-O. PEITGEN, H. JÜRGENS, D. SAUPE, E. M. MATELSKI, T. PERCIANTE, & L. L. YUNKER •
   Fractals in the Classroom: Strategic Activities • Volume 1 • New York: Springer • 1991.
   Volume 2 • New York: Springer • 1992. Volume 3 •New York: Springer • 1998

H.-O. PEITGEN, J. M. HENRIQUES & L. F. PENEDO • eds •*Fractals in the Fundamental and Applied Sciences* • Proceedings of the IFIP Conference on Fractals • Lisbon, June 1990 •
   Amsterdam: Elsevier • 1992.

H.-O. PEITGEN & P. H. RICHTER • *The Beauty of Fractals* • New York: Springer • 1986 •
   Italian translation • *La Bellezza di Frattali* • Torino: Boringhieri • 1988.

H.-O. PEITGEN & D. SAUPE • eds • *The Science of Fractal Images* • New York: Springer • 1988. •
   Japanese translation • Tokyo: Springer • 1991.

M. PERUGGIA • *Discrete Iterated Function Systems* • Wellesley MA: A. K. Peters • 1993.

Y. PESIN • *Dimension Theory in Dynamical Systems: Contemporary Views and Applications* •
   University of Chicago Press • 1999.

E. E. PETERS • *Chaos and Order in the Capital Markets* • *A New View of Cycles, Prices, and Market Volatility* • New York: Wiley • 1991.

E. E. PETERS • *Fractal Market Analysis* • *Applying Chaos Theory to Investment and Economics* •
   New York: Wiley • 1994.

A.G. D. PHILIP, A. ROBUCCI, M. FRAME & K. W. PHILIP • *Series on Fractals I: Midgets on the Spike* •
   Schenectady, NY: L. Davis Press • 1991.

L. PIETRONERO • ed • *Fractals' Physical Origins and Properties* • Erice, 1988 Proceedings •
   New York: Plenum • 1989.

L. PIETRONERO & E. TOSATTI • eds • *Fractals in Physics* • Trieste, 1985 Proceedings •
   Amsterdam: North-Holland • 1986 • Russian translation • *Fraktaly v fizike* •
   Edited by Ya. S. Sinai & I. M. Khalatnikov Moscow: Mir • 1988.

E. R. PIKE & L. A. LUGIATO • *Chaos, Noise and Fractals* • Bristol: Adam Hilger • 1987.

A. A. POTAPOV • *Fraktaly b Radiofisike i Radiolotsîi • Topologiía Vyborkí* •
   Moscow: University Books • 2005.

P. PRUSINKIEWICZ, J. HANAN ET AL • *Lindenmayer Systems, Fractals and Plants* •
   Lecture Notes in Biomathematics • Volume **79** • New York: Springer • 1989.

P. PRUSINKIEWICZ & A. LINDENMAYER • *The Algorithmic Beauty of Plants* •
   New York: Springer • 1990.

C. PUENTE • *Treasures inside the bell • Hidden Order in Chance (with CD-ROM)* •
   Singapore: World Scientific • 2003.

R. PYNN & T. RISTE • eds • *Time-Dependent effects in Disordered materials* •
   New York: Plenum • 1987.

R. PYNN & A. SKJELTORP • eds • *Scaling Phenomena in Disordered Systems* •
   New York: Plenum • 1985.

S. -X. QU • *Fractal Theory and its Applications in Complex Systems*. Xian (CN):
   Shaanxi People's Press • 1996.

S. T. RACHEV • *Modeling Financial Assets with Alternative Stable Models.* •
   New York: Wiley • 1996.

S. T. RACHEV • *Handbook of Computational and Numerical Methods in Finance.* • Basel & Boston:
   Birkhäuser • 2004.

S. T. RACHEV & S. MITTNIK • *Stable Modelling in Finance.* •
   Special Issue of the Journal *Mathematical and Computer Modelling.* 1997.

S. T. RACHEV & S. MITTNIK • *Stable Models in Finance* • New York: Wiley • 2000.

M. RASBAND • *Chaotic Dynamics of Nonlinear Systems* • New York: Wiley • 1990.

W. RATAJCZAK • *Metodologiczne Aspekty Fraktalnego Modelowania Rzeczywistości* • Poznań: UAM • 1998

P. J. REYNOLDS • ed • *On Clusters and Clustering: From Atoms to Fractals* •
   Amsterdam: North-Holland • 1993.

M. O. ROBBINS, J. P. STOKES & T. WITTEN • eds • *Scaling in Disordered Materials, Fractal Systems
   and Dynamics* • Extended Abstracts of a MRS Symposium, Boston •
   Pittsburgh PA: Materials Research Society • 1990.

I. RODRIGUEZ-ITURBE & A. RINALDO • *Fractal River Basins* • New York •
   Cambridge University Press • 1997.

B. M. ROEHNER • *Patterns of Speculation: A Study in Observational Econophysics* •
   Cambridge University Press • 2002.

W. G. ROTHSCHILD • *Fractals in Chemistry* • New York: Wiley • 1998.

J. RUSS • *Fractal Surfaces* • New York: Plenum • 1994.

H. SAGAN • *Space-Filling Curves* • New York: Springer • 1994.

B. S. DAYA SAGAR • *Qualitative Models of Certain Discrete Natural Features of Drainage Environment* •
   New Delhi: Allied Publishers Limited • 2005.

M. SAHAMI • *Applications of Percolation Theory* • London: Taylor & Francis • 1994.

A. I. SAICHEV & W. A. WOYCZYNSKI • *Distributional and Fractal Calculus, Integral Transforms and
   Wavelets* • Boston: Birkhäuser • 1997.

B. SAMMIS, M. SAITO & G.KING • *Fractals and Chaos in the Earth Sciences* •
   Boston: Birkhäuser •1993.

G. SAMORODNITSKY & M. TAQQU • *Stable Non-Gaussian Random Processes* •
   London: Chapman & Hall •1994.

T. SANDEFUR • *Discrete Dynamical Systems: Theory and Applications* • Oxford University Press • 1990.

B. SAPOVAL • *Les fractales/Fractals* • Paris: Aditech • 1990.

B. SAPOVAL • *Universalités et fractales: jeu d'enfants ou délit d'initiés?* • Paris: Flammarion • 1997.

K.-I. SATO, *Lévy Processes and Infinite Divisibility* • Cambridge: The University Press • 1999.

D. W. SCHAEFER, R. B. LAIBOWITZ, B. B. MANDELBROT & S. H. LIU • eds • *Fractal Aspects of Materials I*
   • Extended Abstracts of a Symposium, Boston • Pittsburgh PA: Materials Research Society • 1986.

M. SCHARA & D. TEZAK • eds • *Non-Equilibrium .... and Fractals in Chemistry* •
   Special issue of *Croatica Chemica Acta* Vol. 65, No. 2 • Zagreb • 1992.

D. SCHERTZER & S. LOVEJOY • eds • *Non-Linear Variability in Geophysics: Scaling and Fractals* •
   Dordrecht (Holland) & Norwell MA: Kluwer • 1991.

D. SCHERTZER & S. LOVEJOY • eds • *Multifractals and Turbulence* • *Fundamentals and Applications in
   Geophysics* • Singapore: World Scientific • 1995.

C. H. SCHOLZ & B. B. MANDELBROT • eds • *Fractals in Geophysics*. Basel and Boston: Birkhäuser •
   Special issue of *Pure and Applied Geophysics* • Vol. 131, Nos. 1/2 • 1989.

W. SCHOUTENS • *Lévy Processes in Finance* • *Pricing Financial Derivatives* • New York: John Wiley •
   2003.

M. SCHRÖDER • *Fractals, Chaos, Power Laws: Minutes from an Infinite Paradise* •
   New York: Freeman • 1991.

S. SEMMES • *Some Novel Types of Fractal Geometry* • Oxford: Clarendon Press • 2001

Z. -S. SHE & E. LEVEQUE • *Studies of Hierarchical Structures in Turbulence* •
   State Laboratory for Turbulence Research, Peking University • 1999.

M. F. SHLESINGER, B. B. MANDELBROT & R. J. RUBIN • eds •
   Proceedings of the Gaithersburg Symposium on Fractals in the Physical Sciences
   • Special issue of *The Journal of Statistical Physics* Volume 36 • New York: Plenum • 1984.

J. M. SMITH • *Fundamentals of Fractals for Engineers and Scientists* • New York: Wiley • 1991.
M. SONNENSCHEIN • *Fractals: More Natural* • Hebrew • Ramat-Gan: Center for Education Science and
   Technology.

D. SORNETTE • *Critical Phenomena in Natural Sciences* • *Chaos, Fractals, Selforganization and Disorder:
   Concepts and Tools* • New York: Springer • 2000.

D. SORNETTE • *Why Stock Markets Crash* • *Critical Events in Complex Financial System* •
   Princeton: University Press • 2003.

H. E. STANLEY & N. OSTROWSKY • eds • *On Growth and Form: Fractal and Non Fractal Patterns in Physics*
   • Cargèse, 1985 Proceedings • Boston & Dordrecht: Nijhoff-Kluwer • 1986.

H. E. STANLEY & N. OSTROWSKY • eds • *Random Fluctuations and Pattern Growth:
   Experiments and Models* • Cargèse, 1988 Proceedings • Boston: Kluwer • 1989.

D. STAUFFER & A. AHARONY • *Introduction to Percolation Theory* • Second edition •
   London: Taylor & Francis • 1992.

D. STAUFFER & H. E. STANLEY • *From Newton to Mandelbrot: A Primer in Modern Theoretical Physics
   with Fractals* • New York: Springer • 1990 • Second edition, including Macintosh diskette • 1996.

D. STAUFFER, H.E. STANLEY & A. LESNE • *Cours de physique, de Newton à Mandelbrot* •
   Paris: Springer • 1999.

R. STEVENS • *Understanding Self-Similar Fractals* • *A Guide to the Curves of Nature* •
   New York: Prentice-Hall •1995.

W. H. STEEB • *The Nonlinear Workbook* • *Chaos, Fractals,* • Singapore: World Scientific • 1999.

D. STOYAN & H. STOYAN • *Fraktale-Formen-Punktfelder* • *Methoden der Geometrische Statistik* •
   Berlin: Akademie Verlag • 1992 • English translation • *Fractals, Random Shapes and Point Fields
   • Methods of Geometrical Statistics* • Chichester, U.K.: Wiley • 1994.

R. S. STRICHARTZ • *Differential Equations on Fractals* • *A Tutorial* • Princeton: University Press • 2006

S. STROGATZ • *Nonlinear Dynamics and Chaos* •Reading, MA: Addison-Wesley • 1994.

W. SZEMPLINSKA-STUPNICKA • *Chaos, Bifurcations and Fractals Around Us* • *A Brief Introduction*.
   Singapore: World Scientific • 2004.

Y. TAKAHASHI • ed • *Algorithms, Fractals, and Dynamics* • New York: Plenum • 1996.

H. TAKAYASU • *Fractals in the Physical Sciences* • Japanese • Tokyo: Asakura Shoten • 1985.
  • English translation • Manchester UK: The University Press • 1990.

H. TAKAYASU • *Empirical Science of Financial Fluctuations: The Advent of Econophysics* • Springer • 2001.

H. TAKAYASU • *Application of Econophysics: Proceedings of the Second Nikkei Econophysics Symposium, 2002 Tokyo* • Springer • 2003.

H. & M. TAKAYASU • *What is a Fractal?* • Japanese • Tokyo: Diamond • 1988.

H. TONG • ed • *Dimension Estimation and Models* • Singapore: World Scientific • 1993.

C. TRICOT • *Courbes et dimension fractale* • Paris: Springer & Montréal: Editions Science et Culture • 1993 • English translation • *Curves and Fractal Dimension* • New York: Springer • 1995 • 2nd ed. 1999.

H. TRIEBEL • *Fractals and Spectra Related to Fourier Analysis and Function Spaces* • Basel & Boston: Birkhäuser • 1997.

D. L. TURCOTTE • *Fractals and Chaos in Geology and Geophysics* • Cambridge University Press • 1992.

M. TURNER & J. BLACKLEDGE • *Fractal Geometry in Digital Imaging* • New York: Academic Press • 1998.

V.V. UCHAIKIN & V.M. ZOLOTAREV • *Chance and Stability: Stable Distributions and their Applications* • Utrecht: VSP • 1999.

S. USHIKI • *The World of Fractals: Introduction to Complex Dynamical Systems* • Japanese • Tokyo: Nippon Hyoron Sha • 1988.

T. VAGA • *Profitting from Chaos: Using Chaos Theory for Market Timing, Stock Selection, and Option Valuation* • New York: McGraw-Hill • 1994.

T. VICSEK • *Fractal Growth Phenomena* • Singapore: World Scientific • 1989 • Second edition • 1992.

T. VICSEK, M. SHLESINGER & M. MATSUSHITA • eds • *Fractals in Natural Sciences: International Conference on the Complex Geometry in Nature* • Budapest, 1993, Proceedings • Singapore: World Scientific • 1994.

S. VROBEL • *Fractal Time* • Houston, TX: Institute for Advanced Interdisciplinary Research • 1998.

H.-J.WARNECKE • *Die Fraktale Fabrik* • *Revolution der Untennehmenskultur* • Berlin: Rowo Alt • 1996.

S. WEINBERGER • *Computers, Rigidity, and Moduli: The Large-Scale Fractal Geometry of Riemannian Moduli Space* • Porter Lectures • Princeton: University Press • 2004.

D. A. WEITZ, L. M. SANDER & B. B. MANDELBROT • eds • *Fractal Aspects of Materials: Disordered Systems* • Extended Abstracts of a MRS Symposium, Boston • Pittsburgh PA: Materials Research Society • 1988.

B. J. WEST • *Fractal Physiology and Chaos in Medicine* • Singapore: World Scientific • 1990.

B.J. WEST • *Physiology, Promiscuity and Prophecy of the Millennium* • Singapore: World Scientific • 1999.

B.J. WEST, M. BOLOGNA, & P. GRIGOLM • *Physics of Fractal Operators* •
   New York: Springer 2003.

B. J. WEST & B. DEERING • *Fractal Physiology for Physicists: Lévy Statistics* •
   Amsterdam: Elsevier • 1994.

B. J. WEST & B. DEERING • *The Lure of Modern Science* • *Fractal Thinking* •
   Singapore: World Scientific • 1995.

B. J. WEST & L. A. GRIFFIN • *Biodynamics: Why the Wirewalker Doesn't Fall* • New York: Wiley • 2003.

K. R. WICKS • *Fractals and Hyperspaces* • Springer • 1991.

L. T. WILLE • *New Directions in Statistical Physics: Econophysics, Bioinformatics,
   and Pattern Recognition* • Springer • 2002.

B. WILLIAMS • *Trading Chaos* • *Applying Expert Techniques to Maximize Your Profits* •
   New York: Wiley • 1995.

G. WORNELL • *Signal Processing with Fractals* • *a Wavelet-Based Approach* •
   Upper Saddle River, NJ • Prentice-Hall • 1996.

M. J. WU • *Fractal Information Theory* • Shanghai (CN) • 1993.

H. XIE • *Fractals in Rock Mechanics* • Rotterdam & Brookfield, VT: A. A. Balkema • 1993.

M. YAMAGUCHI, M. HATA & J. KIGAMI • *Mathematics of Fractals* •
   Providence, RI: American Mathematical Society •1997.

G. M. ZASLAVSKY • *Physics of Chaos in Hamiltonian Systems* • Singapore: World Scientific • 1998.

G. M. ZASLAVSKY, M. F. SHLESINGER & U. FRISCH • eds •
   Lévy Flights and Related Phenomena in Physics • Nice 1994 Proceedings • New York: Springer • 1995.

MISCELLANEOUS SPECIAL JOURNAL ISSUES

Chemical Engineering Journal • 1986 • SPECIAL ISSUE ON FRACTALS AND CHAOS •
    Editors: M. Giona, C. van der Bleek and R. Krishna.

College Mathematics Journal • March 1984 • COVER FEATURE
    Articles by Tony Barcellos, Martin Gardner, James Cannon and Loren Carpenter.

Cornell Engineering Quarterly • **20** (3), Winter 1986
    CHAOS AND PHYSICAL SYSTEMS. Articles by Francis C. Moon, Philip Holmes,
    John H. Hubbard, S. Leibovich, John Lumley and John Guckenheimer.

Institute of Mathematics and its Applications Bulletin • U.K. **20** (3-4) Mar/Apr 1984
    PAPERS PRESENTED AT A MEETING ON FRACTALS IN 1983.
    Articles by G. Rowland, P.A. Burrough, G.E. Efstathiou.

Proceedings of the Royal Society of London • **A423** 8 May 1989 (London, 1988 Proceedings)
    FRACTALS IN THE NATURAL SCIENCES • Special issue eds. M. Fleischmann, D. Tildesley & R. C. Ball.

Journal of the Optical Society of America A • **7** (6), Jun 1990
    FRACTALS IN THE IMAGING SCIENCES • Editors: T. R. Nelson & D. L. Jaggard.

Proceedings of the IEEE • Monthly of the Institute of Electrical and Electronics Engineers •
    Oct 1993 • SPECIAL SECTION ON FRACTALS IN ELECTRICAL ENGINEERING.

Sagaku Seminar • Japan • monthly • Oct 1983.
    FRACTALS AND DIMENSION. A special topical issue.

Suri Kagaku • Mathematical Sciences • Japan • monthly • Nov 1981 •
    FRACTALS. A special topical issue. • Articles by Yasuji Sawada, Masao Suzuki, Tomomasa Tatsumi,
    Yoshiki Kuramoto, Yohji Aizawa, Tohru Ogawa, Eiji Tokunaga, Hisao Honda, Tatsuo Togawa, Tsutomu
    Hosoi.

Symmetry: Culture and Science • a quarterly • Budapest • **4** (3) (1993) •
    Guest editors: Maria & Tamas Vicsek.

Wilmott Magazine, Serving the Quantitative Finance Community • quarterly •
    SPECIAL ISSUE ON BENOIT MANDELBROT. Mar 2005 • Cover Story: Interview of BBM. Review of
    "Misbehavior" by Nassim Nicholas Taleb. Technical Papers by Richard Olsen; Lisa Borland, Jean-
    Philippe Bouchaud, Jean-François Muzy & Gilles Zumbach; Jan Beirlant Wim Schoutens & Johan
    Segers; closing cartoon.

Water Resources Research • A journal of the American Geophysical Union • **42**, June 2006 •
    RAIN, RIVERS, AND TURBULENCE • Special issue edited by Andrea Rinaldo.

LESS TECHNICAL BOOKS PREDOMINANTLY CONCERNED WITH THE GRAPHICS

R. BEHR • *Fraktale* • *Formen aus Mathematik und Natur* • Stuttgart: Ernst Klett • 1993.

P. DI FILLIPO • *Fractal Paisleys* • Four Walls Eight Windows • 1999

J. BERKOWITZ • *Fractal Cosmos. The Art of Mathematical Design* • Amber Lotus • 1994.

A. JANKEL & R. MORTON • *Creative Computer Graphics* • Cambridge University Press • 1984.

M. FIELD & M. GOLUBITSKY • *Symmetry in Chaos. A Search for Pattern in Mathematics, Art and Nature* •
   Oxford University Press • 1992.

E. GUYON & H. E. STANLEY • eds • *Fractal Forms* • Amsterdam: North-Holland, 1991 •
    Les formes fractales • Paris: Palais de la Découverte, 1991.

D. N. KALIKOW • *David Brook's Investigation of the Mandelbrot Set* •
    Framingham MA: Prime Computer Corporation • 1986.

M. MCGUIRE • *An Eye for Fractals* • *A Graphic/Photographic Essay* •
    Reading MA: Addison-Wesley • 1990.

T. WEGNER • *Waite Group's Fractal Creations with Disk* • Waite Group Press • 1991.

L. WILDIG • *Fraktalgeometrische Structuren* • Buchholz • 1990.

ELEMENTARY BOOKS AND TEXTBOOKS ON FRACTALS FOR THE STUDENTS AND THE TEACHERS

M. BOLES & R. NEWMAN • *The Golden Relationship Art, Math & Nature: Universal Patterns* •
    Bradford MA: Pythagorean Press • 1990.

J. N. CEDERBERG • *A Course in Modern Geometries.* • Second edition. New York: Springer • 2000.

D. DAVIS • *The Nature and Power of Mathematics* • Princeton University Press • 1993.

N. GORDON • ed • *The Colors of Infinity* • book boxed with a DVD •
    Bath (UK): Clear Press • 2003.

C. LAMPTON • *Chaos Theory* • New York: Franklin Watts (a Grolier Company) • 1992.

I. STEWART • *Les fractals* • Les Chroniques de Rose Polymath • French • Paris: Edouard Belin • 1983.

M. SUKOP • *Fractals for Kids*.

COMPUTER BOOKS HEAVY ON FRACTALS

T. AGUI • *Easy Fractals* • Tokyo: Kogakusha • 1990.

K.-H. BECKER & M. DÖRFLER • *Computergrafische Experimente mit Pascal* •
   Brauschweig/Wiesbaden: Vieweg & Sohn • 1986.
   • English translation by Ian Stewart • *Dynamical Systems and Fractals: Computer Graphics
   Experiments with Pascal* • Cambridge University Press • 1989.

M. BERGER • *Atelier Fractal* • French • La Chaux-de-Fonds (CH) • 1986.

J.-P. DELAHAYE • *Nouveaux dessins géométriques et artistiques avec votre micro-ordinateur* •
   Paris: Eyrolles • 1985.

A. K. DEWDNEY • *The Armchair Universe: An Exploration of Computer Worlds* •
   New York NY: W.H. Freeman • 1988.

P. DIKA • *Die Computerkunst Herbert W. Frankes* • Berlin: Logos Verlag • 2007.

D. DUBOIS • *The Fractal Machine* • Liège (BE): Presses Universitaires de Liège • 1992.

D. S. EBERT, F.K. MUSGRAVE, D. PEACHEY, K. PERLIN & S. WORLEY •
   Texturing and Modeling • San Diego, CA: Academic Press • 1998.

J. L. ENCARNACÃO, H.-O. PEITGEN, G. SAKES & G. ENGLERS • eds •
   Fractal Geometry and Computer Graphics • New York: Springer • 1992.

G. W. FLAKE. *The Computational Beauty of Nature* • *Computer Exploration of Fractals, Chaos,…* •
   Cambridge, MA: MIT Press • 1999.

L. GARCIA • *The Fractal Explorer* • Santa Cruz CA: Dynamic Press • 1991.

M. GARDNER • *Fractal Music, Hypercards, and More*. • New York: Freeman • 1991.

A. S. GLASSNER • *Computer Graphics User's Guide* • Indianapolis IN: H. W. Sams • 1984.

H. GOULD & J. TOBOCHNIK • *Computer Simulation Methods; Applications to Physical Systems* •
   Reading MA: Addison-Wesley • 1988.

D. HOFFMAN & L. MOHLER • *Mathematical Recreations for the Programmable Calculator* •
   Hasbrouck Heights NJ: Hayden Book Co. • 1982.

S. & S. ISHIMURA • *Fractal Mathematics* • Tokyo: Tosho • 1990.

W. JÜRGENS & D. SAUPE • eds • *Visualisierung in Mathematik und die Naturwissenschaften* •
   Heidelberg: Springer • 1989.

B. KELLY • *Programming Graphics Calculations to Explore Mathematics* •
   Burlington, Ontario: Kelly Publishing • 1992.

H. J. KORSCH & H.-J. JODL • *Visualizing Chaos on the Personal Computer: A Program Collection* •
   New York: Springer • 1994.

K. D. LEE & Y. COHEN • *Fractal attractions: a Fractal Design System for the Macintosh* •
Boston: Academic • 1992.

K. LERBINGER & M. KUCHENBUCH • *Faszination Fraktale* • Munich: Systhema Verlag • 1992.

R. LEWIS • *Fractals in Your Future* • 1991.

H. MITSUI • *Entering into Fractal Science* • Tokyo: Nihon Jitsugyo Shuppan • 1990.

S. NAKAZAWA • *Snowflake Theory* • Tokyo • 1991.

Y. NIEVERGELT • *Fractals on Hewlett-Packard's HP 28 and 48* • EduCALC Publications, 1991.

D. OLIVER • *Fractal Vision: Put Fractals to Work for You* • Indianapolis: Howard Sams & Co. • 1992.

T. PAPPAS • *Fractals, Googols and Other Mathematical Tales* • San Carlos CA: Wide World-Tetra • 1993.

T. PAPPAS • *Mathematical Footprints* • San Carlos CA: Wide World-Tetra • 2001.

T. PAPPAS • *Math Stuff* • San Carlos CA: Wide World-Tetra • 2002.

E. RIETMAN • *Exploring the Geometry of Nature: Computer Modeling of Chaos, Fractals,
Cellular Automata, and Neural Networks* • Blue Ridge Summit PA: Windrest Books • 1989.

F. ROBERT • *Discrete Iterations* • Translated by John Rokne • New York: Springer • 1986.

K. SPERLING & W. STEWARD • *Fractal Design Painter 5 Complete* • Book and CD-ROM edition •
Hungry Minds, Inc. • 1998.

R. T. STEVENS • *Fractal Programming in C* • Redwood City CA: M & T Books • 1989.

R. T. STEVENS • *Fractal Programming & Ray Tracing with C + +* • Redwood City CA: M & T Books • 1990.

R. T. STEVENS • *Fractal Programming in Turbo Pascal* • Redwood City CA: M & T Books • 1990.

R. T. STEVENS • *Advanced Fractal Programming in C* • Redwood City CA: M & T Books • 1991.

D. O. THORNBURG • *Discovering Apple Logo: an Invitation to the Art and Pattern of Nature* •
Reading MA: Addison Wesley • 1984.

D. URIBE • *Fractal Cuts* • Tarquin Publications.

B. WAHL & AL. • *Exploring Fractals on the Macintosh* • Reading, MA: Addison-Wesley • 1995.

T. WEGENER • *Fractal Creations* • The Waite Group • 1991.

BOOKS OF ALL KINDS HEAVY ON FRACTALS AND/OR BBM

D. ADAMS • *Dirk Gently's Holistic Detective Agency* • New York: Pocket Books 1987.

P. ANTHONY • *Fractal Mode* • New York: Putnam • 1992.

G. BINNIG • *Aus dem Nichts* • *Über die Kreativität von Natur und Mensch* • München-Zürich: Piper • 1989.

A. BATTRO • *A Fractal Story* • www.byd.com.ar/fractalstory.htm • 1998.

A. BOUTOT • *L'invention des formes* • Paris: Springer • 1993.

J. BRIGGS • *Fractals: The Patterns of Chaos* • *Discovering a new Esthetic of Art, Science and Nature* •
    New York: Simon & Schuster • 1992.

J. BRIGGS & F. D. PEAT • *Turbulent Mirror* • *An Illustrated Guide to Chaos Theory and the Science of
    Wholeness* • New York: Harper and Row • 1989. • French translation • *Un Miroir turbulent* •
    Guide illustré de la théorie du chaos* • Paris: Intereditions • 1991.

D. CAMP • *A cultural History of Fractal Geometry* • *The Biography of an Idea* • D.Ed. thesis •
    Chicago: Loyola University • 1999.

A. C. CLARKE • *The Ghost from the Grand Banks* • New York: Bantam • 1990.

A. C. CLARKE • *The Colors of Infinity* • *Exploring the Fractal Universe* •
    London: Strange Attractions • 1992.

M. COHEN • *The Fractal Murders* • Southern Cross Review • 2001, •
    Second edition New York: Mysterious Books, • 2004.

S. CONDÉ • *Fractalis* • *La complexité fractale dans l'art* • Paris: La Différence • 1993.

P. CONNOR • *The Patterns of Life* • Pittsburgh PA: Sterling House • 1998.

M. CRICHTON • *Jurassic Park* • New York: Ballantine • 1990.

R. DACHS • *Codex mundi; écriture fractale II* • Buenos Aires: Revista Xul • Marseille: Mobil-home
    • Nîmes: Éditions de la Mangrove • 2004.

R. DACHS • *Blanc* • *Topoèmologie* • Reims: Éditions le clou dans le fer • 2007.

G. DARYN • *Encompassing a Fractal World* • *The Energetic Female Core in Myth and Everyday Life —
    a Few Lessons Drawn from the Nepalese Himalaya* • Lantham MD: Lexington Books • 2006.

P. DAVIES • *The Cosmic Blueprint* • New York: Simon & Schuster • 1988.

B. DAVIS • ed • *Ciphers in the Crops: The Fractal and Geometric Circles of 1991* •
    Bath: Gateway Books • 1992.

K. DEVLIN • *Mathematics: The New Golden Age* • New York: Penguin • 1988.

A. K. DEWDNEY • *The Magic Machine* • *A Handbook of Computer Sorcery* •
    New York: W. H. Freeman • 1990.

D. M. DUBOIS • *Le labyrinthe de l'intelligence: de l'intelligence naturelle à l'intelligence fractale* •
    Paris: Inter Editions/Academia • 1990.

P. ENGEL • *Folding the Universe* • *Origami from Anglefish to Zen* • New York: Vintage Books • 1989.

I. ETUK • *Locusts in the Dark* • Port Harcourt, NE: Ginitek Ventures • 2004.

L. A. GARNER • *Fractalic Awakening* • *A Seeker's Guide* • 2004.

H. GENZ • *Symmetrie: Bauplan de Natur* • Munich: Piper • 1987.

G. GERKEN • *Die Fraktale Marke* • *Eine neue Intelligenz der Werbung* •
    Düsseldorf, Wien, New York, Moskau: ECON Verlag • 1994.

J. GLEICK • *Chaos: Making a New Science* • New York: Viking • 1987 •
    Translations in very many languages.

J. GLEICK & E. PORTER • *Nature's Chaos* • New York: Viking Penguin • 1990.

M. A. GUILLEN • *Bridges to Infinity* • *The Human Side of Mathematics* •
    Los Angeles, CA: Jeremy P. Tarchec •

O. B. HARDISON, JR. • *Disappearing Through the Skylight* • *Culture and Technology in the Twentieth
    Century* • New York: Viking • 1989.

K. HAYLES • *Chaos Bound* • Cornell University Press • 1990.

K. HAYLES • *Chaos and Order* • University of Chicago Press • 1991.

H. HERSHEY • *The Monumental Impulse: Architecture's Biological Roots* •
    Cambridge, MA: MIT Press • 1999.

P. IZZO • *La complessita e il motore della vita* • *Introduzione allo studio delle dinamiche caotiche in
    biologia e medicina* • Lecce IT : Capone • 2001.

T. JOHNSON • *Self-Similar Melodies* • New York: Two-Eighteen Press & Paris: Éditions 75 • 1996.

F. LARUELLE • *Théorie des identités: fractalité généralisée et philosophie artificielle* • Paris: PUF • 1992.

HUAJIE LIU • *B. B. Mandelbrot: The Father of Fractal Geometry* • Shanxi (CN): Education Press • 1997.

E. MAC CORMAC & M. I. STAMENOV • ed • *Fractals of Brain, Fractals of Mind* •
    In search of a symmetry bond • Amsterdam & Philadelphia: John Benjamin • 1996.

S. PAVEL & M. BOILEAU • *Vocabulaire des systèmes dynamiques et de l'imagerie fractale* •
    Vocabulary of Dynamical Systems and Fractal Imagery •
    Ottawa (Canada): Réseau International de néologie et de terminologie (Rint) • 1994.

R. PENROSE • *The Emperor's New Mind* • Oxford University Press • 1989.

I. PETERSON • *The Mathematical Tourist* • New York: W. H. Freeman • 1988.

I. PETERSON • *Islands of Truth* • New York: W. H. Freeman • 1990.

T. E. PHIPPS, JR. • *Mathematical Themes in Physical Description* •
　Urbana IL: Classic Non-fiction Library • 1987.
C. A. PICKOVER • *Computers, Pattern, Chaos and Beauty* • New York: St. Martin's Press • 1989.

C. A. PICKOVER • *Computers and the Imagination: Visual Adventures Beyond the Edge* • 1991.

C. A. PICKOVER • *Fractals: A Pattern Book* • Redwood City CA: M & T Books • 1992.

C. A. PICKOVER • *Mazes for the Mind* • New York: St. Martin's Press • 1992.

C. A. PICKOVER • *Visions of the Future* • New York: St. Martin's Press • 1993.

C. A. PICKOVER • *Chaos in Wonderland* • *Visual Adventures in a Fractal World* •
　New York: St. Martin's Press • 1995.

C. A. PICKOVER • *The Loom of God: Mathematical Tapestries at the Edge of Time* •
　New York: Plenum • 1997.

C. A. PICKOVER • *A Passion for Mathematics* • *Number, Puzzles, Madness, Religion,*
　and the Quest for Reality • New York: Wiley • 2005.

C. A. PICKOVER • ed • *The Pattern Book: Fractals, Art and Nature* •
　Singapore: World Scientific • 1995.

C. A. PICKOVER • ed • *Fractal Horizons: the Future Use of Fractals* •
　New York: St. Martin's Press • 1996*.*

C. A. PICKOVER • ed • *Chaos and Fractals* • Amsterdam: Elsevier • 1998.

R. PIPERNO • *Frattali* • *Poesia* • Lecce: Manni Editori • 2001.

R. POWERS • *The Goldbug Variations* • New York: Random House •1994.

L. QUIVOGNE & al • *Cornemuses* • Paris: Bicorne • 1988.

E. REGIS JR. • *Who Got Einstein's Office? Eccentricity and Genius at the Institute for Advanced Study*•
　Reading MA: Addison Wesley • 1987.

S. RIHLAMA • *Sanoinja Värein* • Tampere, FI: Miljöösuunnittelu. • 1992.

R. RIMM with illustrations by A. VERNON • *The Lost Spiritual World* •
　New York: The Global Renaissance Society • 2007.

R. RUCKER • *Mind Tools* • Boston MA: Houghton Mifflin • 1987.

I. STEWART • *The Problems of Mathematics* • Oxford University Press • 1987.

I. STEWART • *The Challenge of Chaos* • London: Penguin • 1988.

I. STEWART • *Does God Play Dice*? *The Mathematics of Chaos* • Oxford: Blackwell • 1989. •
 In French: *Dieu joue-t-il aux dés*? • Paris: Flammarion, 1991.

I. STEWART & OTHERS • *The Colours of Infinity* • *The Beauty and Power of Fractals* •
 Bath, UK: Clear Press • 2004.

T. STOPPARD • *Arcadia* • Faber & Faber • 1996.

J. UPDIKE • *Roger's Version* • New York: Random House • 1997.

K. WILHELM • *Death Qualified: A Mystery of Chaos* • New York: Saint Martin's Press •1991.

M. YOSHINARI • *Between Science and Art: Fractal Esthetics is Born* • Japanese • Tokyo • 1986.

TECHNICAL JOURNALS

Chaos, Solitons and Fractals • M. S. El Naschie, ed • Six issues per year • Oxford: Pergamon Press.

Fractals: An Interdisciplinary Journal on the Complex Geometry of Nature •
    Michael L. Frame, Janos Kertesz, & B. Kahng, eds • Quarterly • Singapore: World Scientific.

Journal of Experimental Mathematics • David Epstein, ed • Wellesley MA: A. K. Peters Ltd.

Random and Computational Dynamics • Marc A. Berger & Shui-Nee Chow, eds •
    New York: Marcel Dekker, Inc.

NEWSLETTERS

Amygdala z • z^2 +c • Rollo Silver, ed • A Newsletter of fractals and the Mandelbrot Set
    • Published at irregular intervals • Box 219, San Cristobal NM 87 564.

Chaos Newsletter • Liège, BE.

The Chaos Network • Mark Michaels, ed • Quarterly • People Technologies • Urbana IL.

FRAC'Cetera & Fractal Digest • Saint Peters Port, Guernsey, Channel Islands, UK.

Fractal Report • J. de Rivaz • ed • Published by Reeves Telecommunications Laboratories, Ltd
    • West Towan House, Porthowan, Truro, Cornwall TR4 8AX, UK.

Fractal Translight Newsletter • R. L. Daguta, ed • Lakeside CA.

Nonlinear Nonsense • Fractal Modeling .... • Cedar Software • Wolcott VT.

Punkt i Bit • Obrazy chaosu i fraktali • in Polish • M. Szyszkowicz, ed. • Wroclaw, PL.

SOME EXHIBITS OF ART, OTHER THAN STRAIGHT RENDERING OF FRACTALS

Matematikak eta Artea • Erakusketa Euskal Herriko Unibersitatea San Sebastián, ES • 1997.

Fractalisations • Villa Tamaris • Seyne-Sur-Mer, FR • mar –mai 1999.

Le temps fractal • Galerie Xippas • 108, Rue Vieille du Temple, Paris, FR • juin-jul 2000.

Arte y ciencia: *Geometría fractal de la naturaleza* • Espai d'Art La Llotgeta • Valencia, ES • Marzo 2003.

Arte fractal: belleza y matemáticas • Conde Duque, Madrid, ES & International Congress of
    Mathematicians • August 2006.

DICTIONARIES & ENCYCLOPEDIAS
WITH ENTRIES ON "FRACTAL" AND/OR BBM

Chambers Science and Technology Dictionary • Cambridge University Press • 1988.

Dictionnaire des Mathématiques • French • Paris: Presses Universitaires de France •
    A. Bouvier, M. George & F. LeLionnais.

Compton On-line Encyclopedia.

Encarta Computer Encyclopedia • Microsoft, Inc. • 1993.

Encyclopédie Clartés • French.

Encyclopedia of World Biography • Vol. 17 • story by E. Feuerwerker.

Encyclopedic Dictionary of Mathematics in Four Volumes • Second Edition •
    Editor-in-chief: Kiyosi Ito • English Translation • Cambridge MA: The MIT Press • 1987.

Encyclopédie Quillet • French.

Funk & Wagnalls New Encyclopedia.

Hebrew Encyclopedia • Hebrew • 1995.

Larousse • Grand Dictionnaire Encyclopédique Larousse • French • Tome 7.

Larousse • Petit Larousse Illustré • French.

Merriam-Webster's Collegiate Encyclopedia • 2000.

Oxford English Dictionary • Second Edition • 1989.

Random House Dictionary of the English Language • Second Edition • 1987.

SOME VIDEOS, CDs, or DVDs FROM ACADEMIC SOURCES
  (Those from other sources are beyond counting)

A. BUNDE & S. HAVLIN • *Fractals in Science: Macintosh and DOS Versions* • New York: Springer • 1994.

R. L. DEVANEY • *Chaos, Fractals and Dynamics: Computer Experiments in Mathematics* •
  Providence RI: American Mathematical Society • 1989.

R. L. DEVANEY • *Transition to Chaos: The Orbit Diagram and the Mandelbrot Set* •
  Providence RI: American Mathematical Society • 1990.

R. L. DEVANEY • *The Fractal Geometry of the Mandelbrot Set* •
  Emeryvile CA: Kay Curriculum Press • 1996.

J. H. HUBBARD • *The Beauty and Complexity of the Mandelbrot Set: University Edition* •
  Providence RI: American Mathematical Society • 1989.

J. H. HUBBARD • *Mandelbrot Sets and Julia Sets* • Ithaca NY: Art Matrix • 1990.

KEY PUBLISHING COMPANY • *Mandelbrot's Fractals* • *Nine Brief Visits for Teachers and Students* • 2005.

H. J. KORSCH & H.-J. JODI • *Visualizing Chaos on the Personal Computer: A Program Collection* •
  New York: Springer • 1994.

L. MASSA • *Fractals* • New York: City University of New York Studios • 2004.

P. MEAKIN • *Fractals and Disordered Growth* • Pittsburgh PA: The Materials Research Society • 1990.

H.-O. PEITGEN • *Fraktale: Schönheit im Chaos* • Heidelberg: Spektrum der Wissenschaft • 1989.

H.-O. PEITGEN, H. JÜRGENS, D. SAUPE & C. ZAHLTEN • *Fractals: an Animated Discussion* •
  E. Lorenz & BBM • Animations   Experiments • New York: Freeman • 1990 •
  German version: • *Fraktale in Filmen und Gesprachen* • E. Lorenz & BBM •
  Heidelberg: Spektrum der Wissenschaft • 1990.

H. W. SMITH & J. E. STALLER • *Mandelbrot Sets and Julia Sets* • Ithaca NY: Art Matrix • 1990.

J. C. SPROTT • *The Wonders of Physics 1990: Chaos* • New York: American Institute of Physics • 1990.

J. VAROSI & J. A. YORKE • *Chaos and Fractals in Simple Physical Systems, as Revealed by the Computer* •
  College Park MD: IPST • 1991.

PRINCETON, NJ: FILMS FOR THE HUMANITIES AND SCIENCES.
  • *The Alphabet of Shapes: Benoit Mandelbrot and Fractal Geometry.*
  • *The Colors of Infinity.* Gordon Films.
  • *Clouds Are Not Spheres. Gordon Films • 2001.*

SOME COMPUTER PROGRAMS FROM ACADEMIC SOURCES
(Those from other sources are beyond counting)

M. F. BARNSLEY • *The Desktop Fractal Design System* • Iterated Systems Inc. & Academic Press • 1989.

P. FERLAND, C. TRICOT & A. VAN DE WALLE • *Fractal Analyses Software Package:*
A Fractal Generator for Windows 3.X • Providence, RI: American Mathematical Society • 1994.

J. GLEICK • *Chaos: the Software* • Sausalito CA • Autodesk • 1990.

K. LEE & Y. COHEN • *Fractal Attraction* • Academic Press • 1991.

H.-O. PEITGEN • *The Game of Fractal Images* • New York: Springer • 1989.

H.-O. PEITGEN, H. JÜRGENS, D. SAUPE, T. EBERHARDT & M. PARMET • *The Beauty of Fractals Lab:*
The Mandelbrot Set • New York: Springer • Version 1.0 1990. Version 1.2 • 1993.

J. C. SPROTT & G. ROWLANDS • *Chaos Demonstrations* • New York: American Institute of Physics • 1990.

M. VICSEK & T. VICSEK • *Fractal Growth Software* • Singapore: World Scientific • 1991.

M. VICSEK & T. VICSEK • *Fractal Growth* • Singapore: World Scientific • 1992.

J. A. YORKE • *Dynamics* • College Park MD: IPST • 1991.