

BOOKS ON OR CONTAINING BIOMEDICAL AND BIOLOGICAL MODELS

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- **The Application of Control Theory to Physiological Systems**, H.T. Milhorn, Jr., W.B. Saunders, Co., Philadelphia, 1966.
- **The Theoretical Basis of Electrocardiology**, ed. by C.V. Nelson and D.B. Geselowitz, ISBN 0-19-857374-X, Oxford University Press, London, 1976.
- **Lectures on Nonlinear Differential Equation Models in Biology**, J.D. Murray, ISBN 0-19-853350-0, Clarendon Press, Oxford, 1977.
- **An Introduction to Mathematical Models in the Social and Life Sciences**, M. Olinick, ISBN 0-201-05448-5, Addison-Wesley Publishing Company, Reading, Massachusetts, 1978.
- **An Introduction to Mathematical Modeling**, E.A. Bender, ISBN 0-471-02951-3, John Wiley & Sons, New York, 1978.
- **Mathematical Modeling of dynamic Biological Systems**, L. Finkelstein and E.R. Carson, ISBN 0-89355-000-0, Research Studies Press, Forest Grove, Oregon, 1979.
- **Mathematical Modeling with Computers**, S.L.S. Jacoby and J.S. Kowalik, ISBN 0-13-561555-0, Prentice-Hall, Inc., Englewood Cliffs, New Jersey, 1980.
- **Techniques for the Analysis and Modelling of Enzyme Kinetic Mechanisms**, C.F. Lam, ISBN 0-471-9981-3, Research Studies Press, a division of John Wiley & Sons Ltd., New York, 1981.
- **Basic Microcomputer Models in Biology**, J.D. Spain, ISBN 0-201-10678-7, Addison-Wesley Publishing Company, Reading, Massachusetts, 1982.
- **Quantitative Approaches to Metabolism: The Role of Tracers and Models in Clinical Medicine**, ed. by D.G. Cramp, ISBN 0-471-10172-9, John Wiley & Sons, New York, 1982.
- **Modeling, Simulation and Parameter Estimation of the Human Cardiovascular System**, D. Möller, and D. Popovič, ISBN 3-528-08546-0, Friedr. Vieweg & Sohn, Braunschweig/Wiesbaden, 1983.
- **Introduction to Computer Simulation. A System Dynamics Modeling Approach**, N. Roberts, D. Andersen, R. Deal, M. Garet, and W. Shaffer, ISBN 0-201-06414-6, Addison-Wesley Publishing Company, Reading, Massachusetts, 1983.
- **The Mathematical Modeling of Metabolic and Endocrine Systems**, E.R. Carson, C. Cobelli, and L. Finkelstein, ISBN 0-471-08660-6, John Wiley & Sons, New York, 1983.
- **Compartmental Models and Their Application**, K. Godfrey, ISBN 0-12-286970-2, Academic Press, New York, 1983.
- **Modeling and Analysis in Biomedicine**, ed. by C. Nicolini, ISBN 9971-950-81-2, World Scientific Publishing Co. Pte Ltd., Singapore, 1984.
- **Computer Modeling of Complex Biological Systems**, S.S. Iyengar, ISBN 0-8493-5208-8, CRC Press, Inc., Boca Raton, Florida, 1984.
- **Modeling Dynamic Phenomena in Molecular and Cellular Biology**, L.A. Segel, ISBN 0-521-27477-X, Cambridge University Press, 1984.
- **Compartmental Analysis in Biology and Medicine (2nd ed)**, J.A. Jacquez, ISBN 0-472-10063-7, The University of Michigan Press, Ann Arbor, Michigan, 1985.

- **A First Course in Mathematical Modeling**, F.R. Giordano and M.D. Weir, ISBN 0-53-403367-9, Brooks/Cole Publishing Company, Monterey, California, 1985.
- **BIOGRAPH: A graphical computer simulation package with exercises to accompany Lee A. Segel's *Modeling Dynamic Phenomena in Molecular Cellular Biology***, G.M. Odell and L.A. Segel, ISBN 0-521-33973-1, Cambridge University Press, 1987.
- **Microcomputers and Physiological Simulation (2nd ed)**, J.E. Randall, ISBN 0-88167-292-0, Raven Press, New York, 1987.
- **Simulation of Wave Processes in Excitable Media**, V.S. Zykov, translated by Protrans, ed. by A.T. Winfree, ISBN 0-7190-2472-2, Manchester University Press, Manchester and New York, 1987.
- **Computer Simulation and Modeling**, F. Neelamkavil, ISBN 0-471-91129-1, John Wiley & Sons, New York, 1987.
- **Mathematical Models in Biology**, L. Edelstein-Keshet, ISBN 0-394-35507-5, Random House, New York, 1988.
- **Empirical Model Building**, J.R. Thompson, ISBN 0-471-60105-5, John Wiley & Sons, New York, 1989.
- **An Introduction to Mathematical Physiology and Biology**, J. Mazumdar, ISBN 0-521-37901-6, Cambridge University Press, 1989.
- **Interactive Dynamic System Simulation**, G.A. Korn, ISBN 0-07-852262-5, McGraw-Hill Book Company, New York, 1989.
- **Mathematical Biology**, J.D. Murray, ISBN 0-387-19460-6, Springer-Verlag, New York, 1989.
- **Imaging, Measurements and Analysis of the Heart**, ed. by S. Sideman and R. Beyar, ISBN 1-56032-058-3, Hemisphere Publishing Corporation, New York, 1991.
- **Theory of Heart**, ed. by L. Glass, P. Hunter, and A. McCulloch, ISBN 0-387-97483-0, Springer-Verlag, New York, 1991.
- **Computer Assisted Simulation of Dynamic Systems with Block Diagram Languages**, N.M. Karayanakis, ISBN 0-8493-8971-2, CRC Press, Inc., Boca Raton, Florida, 1993.
- **Models in Biology: Mathematics, Statistics, and Computing**, D. Brown and P. Rothery, ISBN 0-471-93322-8, John Wiley & Sons, New York, 1993.
- **Computer Simulation Analysis of Biological and Agricultural Systems**, B.K. Huang, ISBN 0-8493-4869-2, CRC Press, Boca Raton, Florida, 1994.
- **Compartmental Analysis in Biology and Medicine (3rd ed)**, J.A. Jacquez, BioMedWare, Ann Arbor, Michigan, 1996.
- **Modeling Dynamic Biological Systems**, B. Hannon and M. Ruth, ISBN 0-387-94850-3, Springer-Verlag, New York, 1997.
- **Dynamic Modeling in the Health Sciences**, J.L. Hargrove, ISBN 0-387-94996-8, Springer-Verlag, New York, 1998.
- **Mathematical Physiology**, J. Keener and J. Sneyd, ISBN 0-387-98381-3, Springer-Verlag, New York, 1998.
- **Biology by Numbers, An Encouragement to Quantitative Thinking**, R.F. Burton, ISBN 0-521-57698-9, Cambridge University Press, 1989.
- **Modeling in the Neurosciences: From Ionic Channels to Neural Networks**, ed. By R.R. Poznanski, ISBN 90-5702-284-2, Harwood Academic Publishers, Amsterdam, The Netherlands, 1999.

- **Physiology by Numbers, An Encouragement to Quantitative Thinking (2nd ed)**, R.F. Burton, ISBN 0-521-77703-8, Cambridge University Press, 2000.
- **Computational Modeling of Genetic and Biochemical Networks**, ed. by J.M. Bower and H. Bolouri, ISBN 0-262-02481-0, The MIT Press, Cambridge, Massachusetts, 2001.
- **Biomedical Applications of Computer Modeling**, ed. by A. Christopoulos, ISBN 0-8493-0100-9, CRC Press, Boca Raton, Florida, 2001.
- **Modelling Methodology for Physiology and Medicine**, ed. by E. Carson and c. Cobelli, ISBN 0-12-160-245-1, Academic Press, San Diego, California, 2001.
- **Quantitative Cardiac Electrophysiology**, ed. By C. Cabo and D.S. Rosenbaum, ISBN 0-8247-0774-5, Marcel Dekker, Inc., New York, 2002.
- **Modeling and Simulation in Medicine and the Life Sciences (2nd ed)**, F.C. Hoppensteadt and C.S. Peskin, ISBN 0-387-95072-9, Springer-Verlag, New York, 2002.
- **Bioterrorism: Mathematical Modeling Applications in Homeland Security**, ed. by H.T. Banks and C. Castillo-Chavez, ISBN 0-89871-549-0, Society for Industrial and Applied Mathematics, Philadelphia, 2003.
- **A Primer on Mathematical Models in Biology**, L.A. Segel, L. Edelstein-Keshet, ISBN 978-1-611972-49-8, Society for Industrial and Applied Mathematics, Philadelphia, 2013.

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