PY1SN

Introduction to Systems Neuroscience

View Online

Anderson, Britt. Computational Neuroscience and Cognitive Modelling: A Student's Introduction to Methods and Procedures. SAGE, 2014. https://www.amazon.co.uk/Computational-Neuroscience-Cognitive-Modelling-Anderson/dp/1446249301/.

Chow, Carson C., Ecole d'été de physique théorique (Les Houches, Haute-Savoie, France), ebrary, Inc, et al. Methods and Models in Neurophysics. 1st ed. Elsevier, 2005. Electronic resource. http://site.ebrary.com/lib/reading/Doc?id=10191640.

'Cplusplus.Com - The C++ Resources Network'. http://www.cplusplus.com/.

Dale, Nell, and Chip Weems. Programming and Problem Solving with C++: Comprehensive. 6th ed. Jones and Bartlett Publishers, Inc, 2013. https://www.amazon.co.uk/Programming-Problem-Solving-C-Comprehensive/dp/1284028763/.

Davis, Stephen R. Beginning Programming with C++ for Dummies. Wiley, 2010. http://site.ebrary.com/lib/reading/detail.action?docID=10411557.

Dawson, Michael. Beginning C++ Through Game Programming. 3rd ed. Cengage Learning, 2010. http://site.ebrary.com/lib/reading/detail.action?docID=10422877.

Dayan, Peter, and Larry F. Abbott. Theoretical Neuroscience: Computational and Mathematical Modeling of Neural Systems. Computational neuroscience. The MIT Press, 2001.

Dayan, Peter, Larry F. Abbott, and ebrary, Inc. Theoretical Neuroscience: Computational and Mathematical Modeling of Neural Systems. Computational neuroscience. Massachusetts Institute of Technology Press, 2001. Electronic resource. https://ebookcentral.proquest.com/lib/reading/detail.action?docID=6419139.

De Schutter, Erik and ebrary, Inc. Computational Modeling Methods for Neuroscientists. Computational neuroscience series. MIT Press, 2009. Electronic resource. http://site.ebrary.com/lib/reading/Doc?id=10340965.

Dynamical Systems in Neuroscience (Online Book). n.d. http://www.izhikevich.org/publications/dsn.pdf.

Ermentrout, Bard, and David H. Terman. Mathematical Foundations of Neuroscience. Interdisciplinary applied mathematics. Springer, 2010. https://www.amazon.co.uk/Mathematical-Foundations-Neuroscience-Interdisciplinary-Math

ematics/dp/038787707X/.

Gerstner, Wulfram, Werner M. Kistler, Richard Naud, and Liam Paninski. Neuronal Dynamics: From Single Neurons To Networks And Models Of Cognition. Cambridge University Press, 22 AD. https://www.amazon.co.uk/Neuronal-Dynamics-Neurons-Networks-Cognition/dp/1107635195/.

Izhikevich, Eugene M. and ebrary, Inc. Dynamical Systems in Neuroscience: The Geometry of Excitability and Bursting. Computational neuroscience. MIT Press, 2007. Electronic resource. http://site.ebrary.com/lib/reading/Doc?id=10173655.

James, Glyn. Modern Engineering Mathematics. Sixth edition. Pearson, 2020. https://ebookcentral.proquest.com/lib/reading/detail.action?docID=6401118.

Josuttis, Nicolai M. The C++ Standard Library: A Tutorial and Reference. 2nd ed. Addison-Wesley, 2012.

Juneja, B.L., and Arun Seth. Programming with C++. New Age International, 2009. http://site.ebrary.com/lib/reading/reader.action?docID=10318691.

Koch, Christof and ebrary, Inc. Biophysics of Computation: Information Processing in Single Neurons. Computational neuroscience. Oxford University Press, 1999. Electronic resource. http://site.ebrary.com/lib/reading/Doc?id=10531081.

Lee, Mark. C++ Programming for the Absolute Beginner. 2nd ed. Course Technology / Cengage Learning, 2009. http://site.ebrary.com/lib/reading/detail.action?docID=10314633.

Lippman, Stanley B., Josée Lajoie, and Barbara E. Moo. C++ Primer. 5th ed. Addison-Wesley, n.d.

Lytton, William W. From Computer to Brain: Foundations of Computational Neuroscience. Springer, 2002. Electronic resource. https://ebookcentral.proquest.com/lib/reading/detail.action?docID=3035518.

McGrath, Mike. C++ Programming. 4th ed. In easy steps. In Easy Steps, 2011. https://www.amazon.co.uk/C-Programming-easy-steps-4th/dp/1840784326/.

Mueller, John Paul, and Jeff Cogswell. C++ All-in-One for Dummies. Third edition. John Wiley & Sons, Inc, 2014. http://site.ebrary.com/lib/reading/Doc?id=10902327.

'Neuronal Dynamics (Online Book)'. http://neuronaldynamics.epfl.ch/online/index.html.

Pitt-Francis, Joe, and Jonathan Whiteley. Guide to Scientific Computing in C++. Undergraduate topics in computer science. Springer-Verlag, 2012. https://www.amazon.co.uk/Scientific-Computing-Undergraduate-Computer-Science/dp/1447127358/.

Savitch, Walter J., and Kenrick Mock. Problem Solving with C++. 8th ed. Addison Wesley, 2012. https://www.amazon.co.uk/Problem-Solving-Global-Walter-Savitch/dp/1292018240/.

Savitch, Walter, and Kenrick Mock. Absolute C++. 6th ed. Pearson, 2016. https://www.amazon.co.uk/Absolute-C-Global-Walter-Savitch/dp/1292098597/.

Stroud, K. A., and Dexter J. Booth. Engineering Mathematics. Eighth edition. Macmillan International Higher Education, 2020. https://ebookcentral.proquest.com/lib/reading/detail.action?docID=6418157.

Stroud, K.A., and Dexter J. Booth. Advanced Engineering Mathematics. 5th ed. Palgrave Macmillan, 2011. https://www.amazon.co.uk/Advanced-Engineering-Mathematics-K-Stroud/dp/0230275486/.

Stroustrup, Bjarne. Programming: Principles and Practice Using C++. Second edition. Addison-Wesley, 2014.

Stroustrup, Bjarne. The C++ Programming Language. Fourth edition. Addison-Wesley/Pearson Education, 2013.

Trappenberg, Thomas P. Fundamentals of Computational Neuroscience. 2nd ed. Oxford University Press, 2010.

Tuckwell, Henry C. Introduction to Theoretical Neurobiology. Cambridge studies in mathematical biology. Cambridge University Press, 1988.

Tuckwell, Henry C. Introduction to Theoretical Neurobiology. Cambridge studies in mathematical biology. Cambridge University Press, 1988.