PY1SN

Introduction to Systems Neuroscience

View Online

Anderson B, 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 CC and others, Methods and Models in Neurophysics (1st ed, Elsevier 2005) <http://site.ebrary.com/lib/reading/Doc?id=10191640>

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

Dale N and Weems C, 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 SR, Beginning Programming with C++ for Dummies (Wiley 2010) <http://site.ebrary.com/lib/reading/detail.action?docID=10411557>

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

Dayan P and Abbott LF, Theoretical Neuroscience: Computational and Mathematical Modeling of Neural Systems, vol Computational neuroscience (The MIT Press 2001)

Dayan P, Abbott LF, and ebrary, Inc, Theoretical Neuroscience: Computational and Mathematical Modeling of Neural Systems, vol Computational neuroscience (Massachusetts Institute of Technology Press 2001) <https://ebookcentral.proquest.com/lib/reading/detail.action?docID=6419139>

De Schutter E and ebrary, Inc, Computational Modeling Methods for Neuroscientists, vol Computational neuroscience series (MIT Press 2009) <http://site.ebrary.com/lib/reading/Doc?id=10340965>

'Dynamical Systems in Neuroscience (Online Book)' <http://www.izhikevich.org/publications/dsn.pdf>

Ermentrout B and Terman DH, Mathematical Foundations of Neuroscience, vol Interdisciplinary applied mathematics (Springer 2010) <https://www.amazon.co.uk/Mathematical-Foundations-Neuroscience-Interdisciplinary-Mathematics/dp/038787707X/>

Gerstner W and others, Neuronal Dynamics: From Single Neurons To Networks And Models Of Cognition (Cambridge University Press 22AD) <https://www.amazon.co.uk/Neuronal-Dynamics-Neurons-Networks-Cognition/dp/1107635195/>

Izhikevich EM and ebrary, Inc, Dynamical Systems in Neuroscience: The Geometry of Excitability and Bursting, vol Computational neuroscience (MIT Press 2007) <http://site.ebrary.com/lib/reading/Doc?id=10173655>

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

Josuttis NM, The C++ Standard Library: A Tutorial and Reference (2nd ed, Addison-Wesley 2012)

Juneja BL and Seth A, Programming with C++ (New Age International 2009) <http://site.ebrary.com/lib/reading/reader.action?docID=10318691>

Koch C and ebrary, Inc, Biophysics of Computation: Information Processing in Single Neurons, vol Computational neuroscience (Oxford University Press 1999) <http://site.ebrary.com/lib/reading/Doc?id=10531081>

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

Lippman SB, Lajoie J and Moo BE, C++ Primer (5th ed, Addison-Wesley)

Lytton WW, From Computer to Brain: Foundations of Computational Neuroscience (Springer 2002) <https://ebookcentral.proquest.com/lib/reading/detail.action?docID=3035518>

McGrath M, C++ Programming, vol In easy steps (4th ed., In Easy Steps 2011) <https://www.amazon.co.uk/C-Programming-easy-steps-4th/dp/1840784326/>

Mueller JP and Cogswell J, 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 J and Whiteley J, Guide to Scientific Computing in C++, vol Undergraduate topics in computer science (Springer-Verlag 2012) <https://www.amazon.co.uk/Scientific-Computing-Undergraduate-Computer-Science/dp/1447127358/>

Savitch W and Mock K, Absolute C++ (6th ed., Pearson 2016) <https://www.amazon.co.uk/Absolute-C-Global-Walter-Savitch/dp/1292098597/>

Savitch WJ and Mock K, Problem Solving with C++ (8th ed, Addison Wesley 2012) <https://www.amazon.co.uk/Problem-Solving-Global-Walter-Savitch/dp/1292018240/>

Stroud KA and Booth DJ, Advanced Engineering Mathematics (5th ed., Palgrave Macmillan

2011)
<https://www.amazon.co.uk/Advanced-Engineering-Mathematics-K-Stroud/dp/0230275486
/>

Stroud KA and Booth DJ, Engineering Mathematics (Eighth edition, Macmillan International Higher Education 2020)
<https://ebookcentral.proquest.com/lib/reading/detail.action?docID=6418157>

Stroustrup B, The C++ Programming Language (Fourth edition, Addison-Wesley/Pearson Education 2013)

——, Programming: Principles and Practice Using C++ (Second edition, Addison-Wesley 2014)

Trappenberg TP, Fundamentals of Computational Neuroscience (2nd ed, Oxford University Press 2010)

Tuckwell HC, Introduction to Theoretical Neurobiology, vol Cambridge studies in mathematical biology (Cambridge University Press 1988)

——, Introduction to Theoretical Neurobiology, vol Cambridge studies in mathematical biology (Cambridge University Press 1988)