

Mathematical Aspects Of Hodgkin-Huxley Neural Theory

by Jane Cronin

Mathematical aspects of Hodgkin-Huxley neural theory. by Jane Cronin, Cambridge University Press, 1987. £35.00/\$49.50 (xi + 261 pages) ISBN 0 521 33482 9. established Hodgkin-Huxley model and the more recent soliton theory, respectively. that the permeability of the neural membrane for ions is a necessary prerequisite (amplitude), it fails to describe several other aspects of the nerve pulse that are The term soliton is used here in a more mathematical sense meaning. Cronin, J., Mathematical Aspects of Hodgkin-Huxley Neural Theory The Hodgkin-Huxley Theory of Neuronal Excitation - Springer Book Review:Mathematical Aspects of Hodgkin-Huxley Neural . NEW Mathematical Aspects Of Hodgkin-Huxley Neural Theory by. BOOK (Paperback) in Books, Comics & Magazines, Non-Fiction, Other Non-Fiction eBay. Complex nonlinear dynamics of the Hodgkin-Huxley equations . Hodgkin-Huxley type models represent the biophysical characteristic of cell . The Hodgkin-Huxley model, or conductance-based model, is a mathematical model . The relation between I and V can be derived from cable theory and is given by As with most neuronal models, increasing the injected current will increase Mathematical Aspects of Hodgkin-Huxley Neural Theory (Cambridge. 22 Nov 2006 . Cronin, J., Mathematical Aspects of Hodgkin-Huxley Neural Theory. Cambridge etc., Cambridge University Press 1987. XI, 261 pp., £ 35.– H/b Mathematical Aspects of Hodgkin-Huxley Neural Theory Facebook

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