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Biologie et sciences du comportement

Christopher, P. FALL, Eric S. MARLAND, John M. WAGNER, John J. TYSON, (Editors). — **Computational cell biology.** — Interdisciplinary applied mathematics, vol. 20. — Un vol. relié, 18 × 24, de xx, 468 p. — ISBN 0-387-95369-8. — Prix: € 69.50. — Springer, New York, 2002.

This textbook provides an introduction to dynamic modeling in cell biology, emphasizing computational approaches based on realistic molecular mechanisms. It is designed to introduce cell biology and neuroscience students to computational modeling, and applied mathematics students, theoretical biologists, and engineers to many of the problems in dynamical cell biology. This volume was conceived of and begun by Professor Joel Keizer based on his many years of teaching and research together with his colleagues. This project was expanded and finished by his students and friends after his untimely death in 1999.

Information, communication, circuits

K.T. ARASU, Á. SERESS, (Editors). — **Codes and designs.** — Proceedings of a conference honoring Professor Dijen K. Ray-Chaudhuri on the occasion of his 65th birthday, The Ohio State University, May 18-21, 2000. — Ohio State University Mathematical Research Institute publications, vol. 10. — Un vol. relié, 18 × 24,5, de VIII, 322 p. — ISBN 3-11-017396-4. — Prix: € 119.63. — Walter de Gruyter, Berlin, 2002.

Following an initiative of the late Hans Zassenhaus in 1965, the Departments of Mathematics at the Ohio State University and Denison University organize conferences in combinatorics, group theory and ring theory. In May 2000, the 25th conference of this series was held with an extended part on combinatorics to honor the 65th birthday of Professor Dijen Ray-Chaudhuri. This volume is the proceedings of this extension. Most of the papers are in coding theory and design theory, reflecting the major interest of Professor Ray-Chaudhuri, but there are articles on association schemes, algebraic graph theory, combinatorial geometry, and network flows as well. There are four surveys and seventeen research articles, and all of these went through a refereeing process.