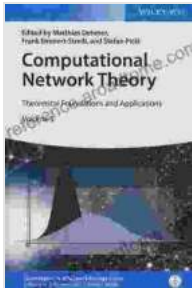


Theoretical Foundations And Applications Quantitative And Network Biology



Computational Network Theory: Theoretical Foundations and Applications (Quantitative and Network Biology Book 5)

★★★★☆ 4.8 out of 5

Language : English
File size : 16808 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 245 pages
Lending : Enabled



About the Book

Theoretical Foundations And Applications Quantitative And Network Biology is a comprehensive and up-to-date textbook that provides a solid foundation in the theoretical foundations of quantitative and network biology. The book is written by leading experts in the field and provides a unique blend of theory and applications.

The book is divided into three parts. The first part covers the theoretical foundations of quantitative and network biology, including topics such as probability theory, statistical inference, and graph theory. The second part covers the applications of quantitative and network biology to a variety of biological systems, including gene regulation, cell signaling, and population dynamics. The third part covers the latest advances in quantitative and

network biology, including topics such as single-cell analysis, machine learning, and network medicine.

Key Features

- Provides a comprehensive and up-to-date overview of the theoretical foundations of quantitative and network biology
- Written by leading experts in the field
- Provides a unique blend of theory and applications
- Covers a wide range of topics, from probability theory to machine learning
- Includes numerous exercises and examples to help students learn the material

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2. Probability Theory
3. Statistical Inference
4. Graph Theory
5. Gene Regulation
6. Cell Signaling
7. Population Dynamics
8. Single-Cell Analysis
9. Machine Learning

10. Network Medicine

Author Biographies

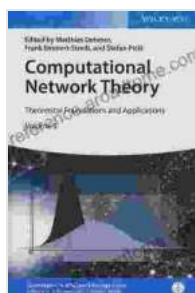
Dr. Mark Newman is a professor of physics at the University of Michigan. He is a leading expert in the field of network science and has published over 200 papers in the field. He is the author of the book "Networks: An".

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Theoretical Foundations And Applications Quantitative And Network Biology is a valuable resource for students, researchers, and practitioners in the field of quantitative and network biology. Free Download your copy today!

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