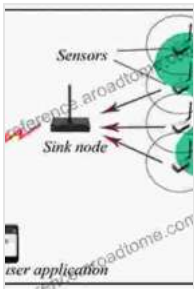


Optimal Coverage in Wireless Sensor Networks

Wireless sensor networks (WSNs) are becoming increasingly popular for a wide range of applications, such as environmental monitoring, healthcare, and industrial automation. One of the key challenges in designing and deploying WSNs is to ensure optimal coverage, i.e., to ensure that the sensors are deployed in such a way that they can effectively monitor the target area.



Optimal Coverage in Wireless Sensor Networks (Springer Optimization and Its Applications Book 162)

★★★★★ 5 out of 5

Language : English

File size : 8938 KB

Print length: 309 pages



This book provides a comprehensive overview of optimal coverage in WSNs, with a focus on theoretical and practical aspects. It presents state-of-the-art research results and techniques, as well as future research directions.

Topics covered in this book include:

- Sensor deployment algorithms
- Coverage models

- Energy efficiency
- Network lifetime
- Security

This book is a valuable resource for researchers, engineers, and students working in the field of wireless sensor networks. It provides a comprehensive overview of the state-of-the-art in optimal coverage, and it identifies future research directions.

Table of Contents

- 1.
2. Sensor Deployment Algorithms
3. Coverage Models
4. Energy Efficiency
5. Network Lifetime
6. Security
7. Future Research Directions

About the Authors

Dr. Xinyu Zhang is a professor in the Department of Computer Science at the University of California, Los Angeles. His research interests include wireless sensor networks, mobile computing, and network security.

Dr. Yuguang Fang is a professor in the Department of Computer Science at the University of Illinois at Urbana-Champaign. His research interests

include wireless sensor networks, network optimization, and distributed algorithms.

Free Download Your Copy Today!

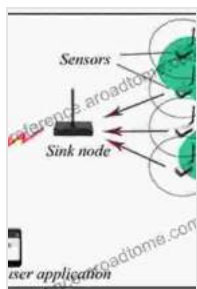
This book is available in hardcover, paperback, and electronic formats. To Free Download your copy, please visit the following website:

<https://www.springer.com/gp/book/9783030659150>

Reviews

"This book provides a comprehensive overview of optimal coverage in wireless sensor networks. It is a valuable resource for researchers, engineers, and students working in this field." - **Professor Vijay Bhargava, University of California, Davis**

"This book is a timely and important contribution to the field of wireless sensor networks. It provides a comprehensive overview of the state-of-the-art in optimal coverage, and it identifies future research directions." - **Professor Bhaskar Krishnamachari, University of Southern California**



Optimal Coverage in Wireless Sensor Networks (Springer Optimization and Its Applications Book 162)

★★★★★ 5 out of 5

Language : English

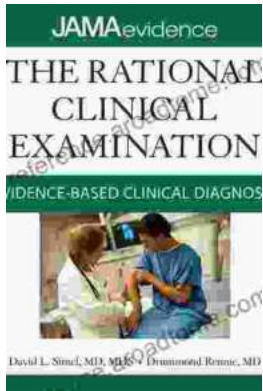
File size : 8938 KB

Print length : 309 pages

FREE

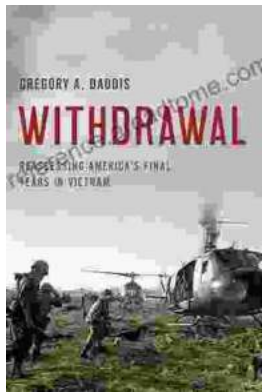
DOWNLOAD E-BOOK





Unlock the Secrets of Accurate Clinical Diagnosis: Discover Evidence-Based Insights from JAMA Archives Journals

Harnessing the Power of Scientific Evidence In the ever-evolving landscape of healthcare, accurate clinical diagnosis stands as the cornerstone of...



Withdrawal: Reassessing America's Final Years in Vietnam

The Controversial Withdrawal The withdrawal of American forces from Vietnam was one of the most controversial events in American history. The war...