

Game Theory Framework Applied to Wireless Communication Networks

Part of the Advances in Wireless Technologies and Telecommunications (AWTT) Book Series

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Description:

The popularity of smart phones and other mobile devices has brought about major expansion in the realm of wireless communications. With this growth comes the need to improve upon network capacity and overall user experience, and game-based methods can offer further enhancements in this area.

Game Theory Framework Applied to Wireless Communication Networks is a pivotal reference source for the latest scholarly research on the application of game-theoretic approaches to enhance wireless networking.

This publication features extensive, research-based chapters across a broad scope of relevant topics, including potential games, coalition formation game, heterogeneous networks, radio resource allocation, coverage optimization, distributed dynamic resource allocation, dynamic spectrum access, physical layer security, and cooperative video transmission.

Readers:

This publication is an essential reference source for researchers, students, technology developers, and engineers.

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Topics Covered:

- Coalition Formation Game
- Cooperative Video Transmission
- Coverage Optimization
- Distributed Dynamic Resource Allocation
- Dynamic Spectrum Access
- Heterogeneous Networks
- Physical Layer Security
- Potential Games
- Radio Resource Allocation

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