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Title: Communication 5G base station super migration

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This paper develops a method to consider the multi-objective cooperative optimization operation of 5G communication base stations and Active Distribution Network (ADN) and constructs ...

To address these issues, this article proposes a mathematical model for optimizing 5G base station coverage and introduces an innovative adaptive mutation genetic algorithm (AMGA) to ...

**Abstract:** With the maturity and large-scale deployment of 5G technology, the proportion of energy consumption of base stations in the smart grid is increasing, and there is an urgent need to reduce ...

A 5G BS model considering communication load migration and energy storage dynamic backup is established. A coordinated optimization model of the interacted distribution and 5G communication ...

mobile communication networks and the traditional virtual machine migration in computer networks. The main idea is to logically separate the processing task and data context during the...

To cope with this complex problem, researchers are increasingly adopting genetic algorithms (GA) and machine learning (ML) methods to improve the deployment efficiency and ...

The coordination among the communication equipment and the standard equipment in 5G macro BSs is developed to reduce both the energy consumption and the electricity costs.

To address these challenges, this paper constructs a multi-objective base station site selection model that simultaneously minimizes costs, maximizes coverage contributions, and ...

**Abstract:** With the large-scale connection of 5G base stations (BSs) to the distribution networks (DNs), 5G BSs are utilized as flexible loads to participate in the peak load regulation, where the BSs can be ...



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