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Title: Is a base station required for cluster communication

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In this study, we developed a stochastic model to analyse the information and communication interaction between a base station and a set of subscribers in a 5G cluster with ...

In this paper, a novel clustering-based base station assignment algorithm has been proposed to support the deployment of IoT devices under cellular communication systems.

For the construction of communication base stations, the base stations are required to be selected first, and then the bottom points suitable for construction can be determined through...

In this paper, to address the site planning and area clustering problems of mobile communication networks, the K-mean clustering algorithm, linear programming, K-mean clustering model, single ...

Most system designs permit a base station to be positioned up to one-fourth the cell radius away from the ideal location.

Use any type of communications media in your clustering environment as long as it supports Internet Protocol (IP). Cluster resource services uses TCP/IP and UDP/IP protocols to communicate between ...

One of the key components of 5G is the Radio Access Network (RAN) architecture, which is responsible for managing the wireless connections between devices and the network. This article ...

The present-day tele-space is incomplete without the base stations as these constitute an important part of the modern-day scheme of wireless communications. They are referred to as cell ...

If we assume that base stations are located in the cell centers, this allows the original base stations to be maintained even in the new system layout. However, new base stations will have ...



Is a base station required for cluster communication

LoRaWAN enables long-distance communication between low-power devices and strategically placed base stations. These base stations act as the bridge, receiving data from end-devices and ...

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