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Title: Three-dimensional communication wireless base station

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The sixth generation (6G) and beyond 6G (B6G) wireless communication networks are expected to provide space-air-ground-sea global coverage. Base stations and users tend ...

We have studied Chan-Taylor two-dimensional positioning algorithm and propose an innovative Chan-Taylor three-dimensional positioning algorithm. And we apply it.

For the first time, this paper focuses on the problem of modifying the Z-axis location coordinates in three-dimensional (3D) target location. A novel algorithm is proposed by ...

It is envisioned that the sixth generation (6G) and beyond 6G (B6G) wireless communication networks will enable global coverage in space, air, ground, and sea. In such ...

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In this paper, we propose a 3-dimensional (3D) indoor positioning method based on multipath information, which makes full use of OFDM technology and MIMO array antenna ...

The invention aims to provide a three-dimensional wireless positioning method and system based on a symmetrical base station, which can effectively solve the problems existing in the...

In this paper, we investigate a promising base station (BS) architecture that integrates a beyond diagonal RIS

(BD-RIS) within the BS to enable passive beamforming.

Abstract: Aiming at the problem that the indoor three-dimensional positioning algorithm is complex and the accuracy is not high, this paper proposes a three-dimensional wireless positioning ...

presents a following method: location selection and network optimization for the wireless communication network. First, it collects the experimental data set of base station locati.

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