

Development of a Node-positioning Algorithm for Wireless Sensor Networks in 3D Space

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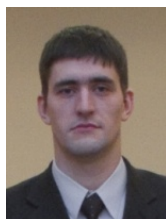
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Abstract— Wireless sensor networks are finding increasing application in various areas of our lives. Typically, the sensor network is important not only to detect or measure the value of an event parameter of interest, but also to correlate it to a specific point in space. As the location of sensors on the ground can be random in nature, there is a question of finding the coordinates of all nodes. Thus, the problem solved in the article has both theoretical and practical value that is extremely important. The algorithm of determining locations of sensor network nodes in three-dimensional space is described in the article.

Keywords— Wireless sensor network, 3D space, node-positioning



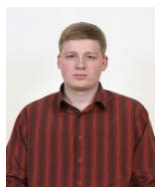
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