

## **ABSTRACT**

The work includes 94 pages, 28 pictures, 3 tables and 24 information sources.

The purpose of the work is research of routing methods in wireless sensor networks.

This work examines the main principles and features of routing in the wireless sensor network. Routing options have been analyzed depending on the purpose of the network. The classification of routing methods has been given and the most popular protocols have been considered. The comparison of the protocols has been done and benefits of all protocols have been indicated.

Key words: wireless sensor networks, routing, sensor nodes, data transmission, message relaying, traffic load balancing.

Development of routing methods in wireless sensor networks