Optimization routing of optical cable

© V.P. Stepanov, P.V. Stepanov

Bauman Moscow State Technical University, Moscow, 105005, Russia

The choice of route laying of optical cable is formalized as the issue of determination of a minimal and close to this paths in the graph. Modification of the Dijkstra's algorithm proposed to solve this problem. The route laying is shown on the electronic map of the city.

Keywords: optical cable, track laying, the path on a graph, modified Dijkstra's algorithm, electronic map of the city.

Stepanov V.P., Ph.D., Assoc. Professor of the Software and Information Technologies Department of Bauman Moscow State Technical University. Author of 85 scientific works in the field of design of autonomous electric networks, information technologies. e-mail: vapals@yandex.ru

Stepanov P.V. graduated from Bauman Moscow State Technical University in 2005. Author of 5 scientific works in the field of designing information communication networks. e-mail: vapals@yandex.ru