

**Abstract**

In this thesis work the theme of «Analysis methods of call routing and optimization of the calculation of long-distance traffic on the network».

The aim is the choice of optimal algorithms and methods for routing traffic, as well as an analysis of the study load and ensure its program.

In the thesis work the best methods of routing calls, types of algorithms, traffic distribution in different areas and types of calculation of loads, models.

Selected as a result of the optimal path routing methods in calculating the optimal way traffic and designed by a well-known program.