

## **Abstract**

In this dissertation the analysis of modern methods and means of diagnostics of failures of infocommunication systems is carried out. It is proposed to use a set of information systems for diagnostics and automatic troubleshooting of distributed infocommunication systems. The subject of automatic troubleshooting from the point of view of forecasting incidents using machine learning algorithms has been studied. The forecast is based on measurements of the current state of the switches and historical incidents of switch hardware failures.