

The aim of this bachelor's thesis is to enrich the reader's knowledge about methods of determining distances in the universe. This study is particularly focused on the history of the evolution of these methods, a physical description of the problem and interim results. Primarily, this thesis deals with the method of standard candles. First, the main information necessary for studying the methods of determining distances in the universe is clarified. Then the thesis describes in detail the issue of important historical events and inventions which affected the evolution of these methods. Through these topics we obtain knowledge of this method, and the knowledge of the theory of the expansion of the universe as well.