

Abstract

The diploma project discusses aspects and features of the development of a system design of technological support for testing software for space applications.

The aim of the diploma project is the development of system requirements and the concept of building technological support for testing software, which determines the appearance of the future system, its functions and structure. To do this, we considered the features of the software for space technology, the types, the test process of the software and the requirements for their implementation.

As a result, there were determined a list of requirements for tools, performers, their functional relationship based on regulatory documentation and international test standards . Also, a general calculation of the spent time , resource estimation, and conditions of the test process was performed.