

Annotation

The title of the diploma project is "Modeling of a hoisting platform in Autodesk Inventor". The purpose of the diploma project is to develop methods of effective design of hydraulic cylinders in lifting mechanisms. It is a high load-bearing, low-balancing and lightweight mechanisms.

With the help of APM Winmachine, AutoCAD 2010 and Inventor 2011 data programs, a project has been developed to lift the load. The APM structure3D system was pre-projected and the cross-sectional dimensions of the units were found.