

Annotation

Currently, programming is developing at high speed. In particular, the creation of computer models is one of the most important areas. Since each modern project initially led to the creation of a mathematical model and the construction of an appropriate computer model. Through this simulation, we can combine our thoughts with the planet earth and as realistic manifestations, allowing us to explore processes that we do not have access to that we can not hold hands. The victims were such scientists as physicist George Sigman, Marie Curie, Louis Zlotin, which worked without this capability. Currently, the safety of buildings under construction or atomic bombs, or all the boundaries of their work are determined by this simulation. In this regard, it should be noted that computer modeling has a special place in the life of mankind.

In this diploma project was proposed addition to the hydrodynamic modeling. This software application can be used in the future at hydroelectric power stations or at each workplace created by hydrodynamic processes. With these features in mind, I developed a software application with variable conditions.