Annotation

The graduation project is dedicated to the design of an autonomous unmanned aerial vehicle (UAV) for special purposes, which will become the basis for autonomous UAVs used for remote inspection of objects and patrols.

Structural and functional diagrams were shown; on the basis of these diagrams, the development and modeling of a prototype autonomous aircraft was implemented. The prototype was configured and flashed in the INAV Configurator program. Ways of realizing autonomy through flight missions using waypoints were found.

The structure of the work is provided by the introduction, five sections, conclusion and list of literature.