ABSTRACT

The landing of an aircraft is a crucial flight phase. There could be many incidents during the landing. Some cases are caused by system configuration error. To facilitate the landing, the pilot has to be assisted with an application that provides info about the landing so that the plane is expected to land safely. The purpose of this final project is to create an application that can model and simulate the landing of the aircraft. This system is built from Hypertext Preprocessor programming language or is common known by the name PHP, also applies navigation and telemetry formulas in flight. The flight condition analyzed depend on 3 factors: airplane weight, height, time and angle. The application that was created provides information about the speed and the appropriate position to the aircraft landing situation.

Keywords: Landing, telemetry, navigation, simulation.