
DEVELOPING THE PARAMETERS DETERMINATION PROGRAM FOR DEFINING THE TRAJECTORY OF THE SUB-ORBITAL RE-ENTRY SPACE VEHICLE OF THE TOURIST CLASS

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Abstract

The article introduces a program defining the parameters of the re-entry space vehicle active trajectory: the pitch angle, the angle of attack, the flight altitude. The program allows calculating the g-loads affecting the re-entry space vehicle during the flight along the active trajectory as well as the flight velocity in this leg. We consider the methods of designing the data processing systems and the key features of the domain area.

Keywords

Re-entry space vehicle, flight trajectory, pitch angle, angle of attack, flight altitude

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