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ANALYSIS OF BRAKING DURING THE BALLISTIC DESCENT OF THE LANDER AND THE PUTTING INTO OPERATION OF TWO BALLOONS INTO THE ATMOSPHERE OF VENUS

Abstract

The main task of the balloon probe is meteorological research at an altitude of 53-55 kilometers. In this paper we will analyze the braking and the input system of two balloons according to a similar scheme of the program "Vega" and "Venera-D". I. Scheme of descent of the lander The 1st stage is the movement of the lander in the air. During the first stage, the speed of the apparatus changes according to the laws of falling in the air of a body without a parachute from the second cosmic speed to transonic speed. II. Areas of the putting into operation of the balloon probe -The joint descent section of the balloon probe with the upper hemisphere of the heat shield begins from the moment the upper hemisphere is separated from the main apparatus. The upper hemisphere with the balloon probe placed inside it begins an autonomous descent.