

Interactive Presentations (IP)
Topic 5 - Interactive Presentations (5)

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INTERSTELLAR WANDERERS: INTERCEPTION IN THE SOLAR SYSTEM

Abstract

Planetary cosmogony shows that approximately 30The interception of interstellar wanderers who occasionally flew into the solar system is a difficult problem, since these bodies move with hyperbolic speed. A probe sent to intercept or follow will have a relative speed from several kilometers per second to tens of kilometers per second. To ensure a soft landing of the probe on the surface of the body, modern technology does not allow. It is proposed to use the technique of a hyper-speed penetrator with a controlled amount of braking when introduced into a space body.