

THE FORBIDDEN CONFIGURATION OF A METEORIC BODY FRAGMENTS IN THE ATMOSPHERE

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Recently, as a result of numerical experiments, there were reliable enough data about behavior of systems of solid bodies in hypersonic streams. This circumstance, along with separate calculations of the destroyed body movement in the atmosphere, allows making substantiated conclusions about a reality of some configurations of the meteoric body fragments used in the literature.

There is a considerable divergence in estimations of extra-atmospheric masses for meteoroids on the basis of the photometric formula and dynamic calculations. Earlier this distinction was explained by small density of a meteoric body. Last years there are attempts to explain a situation by means of meteoroid destruction on fragments. The special configuration of fragments is thought when a cloud up braked as a separate fragment, and still appeared as a single object.

In the report it is shown that such configuration contradicts laws of a solid body movement in gas.