

Form and properties of the Neuschwanstein meteoroid

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The model of the atmospheric entry of the Neuschwanstein fireball is developed. The fireball has been photographed in Germany on 6 April, 2002. Three fragments of a meteoric body have been found during the subsequent searches in the territory predicted in observation. In this work the form of a meteoric body is set as a cube with the rounded tops and edges. The drag coefficient of this meteoric body is given. The estimation of the meteoric body mass at its entry into the atmosphere has appeared to be close to the literary data received as a result of the seismic, acoustic and infrasonic analysis. It is noted that for the first time in the analysis of fireball data, the photometric approach in the world literature was not used.