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Some Metrological Aspects of Applied Measurements. Space Navigation

V.A. Grushnikov[1], All-Russian Institute of Scientific and Technical Information of Russian Academy of Science, PhD, v.grushnikov@mail.ru

[1] Senior Researcher, Moscow, Russia

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key words

aerospace navigation, orientation in space, measurements, controlled parameters, registration of values of characteristic quantities

At the present stage of space exploration, the priority problems are not the earlier priority problems of the capabilities of aircraft to orbit a given mass of cargo and even the human body in airless space, but the most relevant in the context of the increased presence of terrestrial. The energy efficiency and safety of their long-term operation depends not only on the constructive and technological optimality of the implementation of aircraft, but also on the perfection of the communication system in a space that is not so rarefied in terms of the presence of physical objects. The main burden and effectiveness in achieving this complex multidimensional goal is effectively taken over and provided by modern metrological methods, means and sensor devices for measurements.

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