



Hands-on space-physics exercises in Lomonosov Moscow State University

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Skobel'syn Institute of Nuclear Physics (Lomonosov Moscow State University) develops an innovative educational project in the area of space research and near-Earth space sciences. Special attention is devoted to the application of the modern technologies in educational process. One of the key points of our project concerns the development of new generation of practice exercises. Primarily the most part of them was based on the real experimental data obtained from the University satellite "Universitetskij-Tatyana" launched on January 2005. Now the scientists from our Institute and its partners developed a number of exercises, based not only on the scientific data, but also on technical data and parameters of other satellites. It allows to use them not only for special-level students, but also for the students of general physics and engineering departments. Structurally the exercises can be divided into two parts: "traditional" practice exercises, implementation of which includes teacher's participation, and fully computerized exercises, which are carried out independently, without teacher's presence. The developed exercises are presented in the report.