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SPACE DEBRIS AND THE ATTEMPT OF THEIR MINIMALIZATION

Summary

Space debris produced by man pose significant problems in near Earth space. Disturbing is still increasing amount of this type of waste. The wastes circulate alongside the working objects – mainly the Earth artificial satellites placed in orbit for a variety of purposes, which after some time become also useless supporting the space debris population. The observed increase in the number of useless objects is associated primarily with the danger of a collision in space. Therefore, this problem requires appropriate solutions and actions from the scientific community and institutions dealing with space exploration. The work analyses the number and types of waste shaping the space and their origin in recent decades. In addition, there are specified places of their occurrence, risks that they may cause, and also attempts to minimize this type of waste.

Key words: artificial satellites, deorbitation, risk of collision, space debris