
Synthesis of the control law of spacecraft longitudinal motion in the atmosphere of Earth at landing

© N.E. Zubov^{1,2}, E.A. Mikrin^{1,2}, V.N. Ryabchenko¹

¹ S.P. Korolev Rocket and Space Corp. “Energia”,
Korolev, Moscow region, 141070, Russia

² Bauman Moscow State Technical University, Moscow, 105005, Russia

The problem of synthesis of control law of the spacecraft in the Earth's atmosphere for landing is considered. The analytic solution with pole placement of stabilized control for each beat of on-board computer is received.

Keywords: *spacecraft, decomposition levels, pole placement, analytical solution.*

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Zubov N.E., Dr. Sci. (Eng.), Deputy and Scientific Director of the Research and Development Centre of S.P. Korolev Rocket and Space Corp. “Energia”, Professor of the Automatic Control System Department of Bauman Moscow State Technical University. Author of over 70 scientific articles in the field of spacecraft dynamical systems control. e-mail: Nikolay.Zubov@rsce.ru

Mikrin E.A., Dr. Sci. (Eng.), Member of the Russian Academy of Sciences, First Deputy General Designer of the S.P. Korolev Rocket and Space Corp. “Energia”, Head of the Automatic Control System Department of Bauman Moscow State Technical University. Author of over 100 scientific articles in the field of spacecraft dynamical systems control. e-mail: Eugeny.Mikrin@rsce.ru

Ryabchenko V.N., Dr. Sci. (Eng.), Leading Researcher of the Research and Development Centre of S.P. Korolev Rocket and Space Corp. “Energia”. Author of over 200 scientific articles in the field of dynamical systems control.
