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1. *Bombardelli C., Peláez J.* Ion Beam Shepherd for Contactless Space Debris Removal. *JGCD*. 2011. 34. No 3. May–June. P. 916–920.
2. *Hua T., Kubiak E., Lin Y., Kilby M.* Control/Structure Interaction during Space Station Freedom-Orbiter Berthing // *The Fifth NASA/DOD Controls-Structures Interaction Technology Conference*, Tahoe, Nevada, March 3–5, 1992. P. 181–203.
3. *Mora E., Ankersen F., Serrano J.* MIMO Control for 6DoF Relative Motion. *Proceedings of 3<sup>rd</sup> ESA International Conference on Spacecraft Guidance, Navigation and Control Systems*, Noordwijk, The Netherlands, Nov. 26–29, 1996.
4. *Ankersen F.* Application of CAE methods for the On-Board Flight Control System on the ARC Mission. ESA working paper. 1993. P. TN/FA–001 Issue 1.0.
5. *Doyle J. C., Stein G.* Multivariable Feedback Design: Concepts for a Classical, Modern Synthesis. *IEEE Transactions on Automatic Control*. 1981. No 26(1). P. 4–16.
6. *Zhao K., Stoustrup J.* Computation of the Maximal Robust H<sub>2</sub> Performance Radius for Uncertain Discrete Time Systems with Nonlinear Parametric Uncertainties. *International Journal of Control*. 1997. No 67(1). P. 33–43.
7. *Zhou K., Khargonekar P., Stoustrup J., Niemann H.* Robust Performance of Systems with Structured Uncertainties in State Space. *Automatica*. 1995. No 31(2). P. 249–255.
8. . . . . 2011. . 3. . 117–125
9. *Alpatov A., Cichocki F., Fokov A., Khoroshylov S., Merino M., Zakrzhevskii A.* Determination of the force transmitted by an ion thruster plasma plume to an orbital object. *Acta Astronautica*. 2016. No 119. P. 241–251.
10. *Alpatov A., Cichocki F., Fokov A., Khoroshylov S., Merino M., Zakrzhevskii A.* Algorithm for Determination of Force Transmitted by Plume of Ion Thruster to Orbital Object Using Photo Camera. 66th International Astronautical Congress, Jerusalem, Israel, 12–16 October, 2015. 1 . . . . (DVD-ROM).
11. . . . . 2016. 2/129. . 55–66.
12. *Bombardelli C., Urrutxua H., Merino M., Ahedo E., Pelaez J.* Relative dynamics and control of an ion beam shepherd satellite // *Spaceflight mechanics*. – 2012. – Vol. 143. – P. 2145–2158.
13. . . . . « » // . – 2017. – 1. – . 26–39.
14. *Wie B.* *Space Vehicle Dynamics and Control*. – Reston: American Institute of Aeronautics and Astronautics, 1998. – 660 p.
15. *Ankersen F.* *Thruster Modulation Techniques: Application to Eureka Attitude and Orbit Control System* // ESA working paper. – 1989 p. EWP 1528.

16. *Lawden D.F.* Optimal Trajectories for Space Navigation. – London: Butterworths, 1963. – 126 p.
17. *Clohessy W., Wiltshire R.* Terminal guidance system for satellite rendezvous // *Journal of the Aerospace Sciences.* – 1960. – Vol. 27, No 9. – P. 653-658.
18. *Zhou K., Doyle J.C., Glover K.* Robust and Optimal Control. – NY: Prentice-Hall, 1996. – 596 p.