

**INVESTIGATING THE DYNAMICS OF SPACE VEHICLES WITH AN ATTITUDE
CONTROL SYSTEM ON THE BASIS OF TWO-COMPONENT LIQUID
PROPELLANT LOW-THRUST ROCKET ENGINES**

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The paper presents the results of investigating the dynamics of a space vehicle moving relative to the centre of mass with a non-linear attitude control system using two-component liquid-propellant low-thrust rocket engines as actuators. A mode of maintaining prescribed attitude control in the limit cycle is discussed.