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## Features of Navigation and Ballistic Support of Onboard Satellite Navigation Equipment of Geostationary Spacecraft

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**Abstract.** Satellite navigation equipment of geostationary spacecraft does not allow obtaining a one-step solution of the navigation task with an acceptable accuracy. Ephemeris support of such spacecraft is carried out using statistical methods for solving ballistic tasks. The approaches to the implementation of the embedded navigation and ballistic software are formulated and promising directions of its development are proposed to improve the autonomy of spacecraft in a geostationary orbit.

**Keywords:** spacecraft, navigation and ballistic software, geostationary orbit, motion parameters

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