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INTEGRATION ALGORITHMS INERTIAL – SATELLITE NAVIGATION SYSTEM

We consider the error of integrated navigation systems based on an inertial platform and the satellite navigation system. We consider the error of integrated system in the steady state, the time spent on modeling. In the algorithms used filters first and second order, as well as the Kalman filter. It is shown that the Kalman filter gives the better accuracy on the parameters, but requires large computational costs. We consider both open and closed integration algorithm. The advantages of a closed system are shown. A closed circuit allows for vibration damping system errors.

Keywords: *integrated system, integration algorithms, filter.*