

## Annotation

In the pre-diploma practice there was a task to consider the inertial and navigation systems. Different types of inertial navigation systems differ mainly in the methods of orientation and stabilization of positions of measuring axes of accelerometers relative to inertial space. Each of these methods determines the hardware composition of the INS, the complexity of the corresponding algorithm of navigation measurements and the accuracy of the characteristics of the axes of the whole system as a whole. There are the following types of INS:

1. Navigational system with a gyrostabilized platform.
2. An inertial navigation system with three single-axis stabilizers.
3. Inertial system with three gyroscopic angular velocity sensors
4. ANS with three angular accelerometers.
5. Inertial Accelerometric type.
6. Accelerometric navigation system with six linear accelerometers.
7. ANS with nine linear accelerometers.