



I'm not robot



I am not robot!

Put the IMU on three-axis precision rotating table, and keep the attitude angle to be 0° , heading angle to be 0° , and do the static test for two hours

Strapdown inertial navigation technology David H. Titterton and John L. Weston (IEE radar, sonar, navigation and avionics series) Institution of Electrical Engineers, c 2nd ed The text describes the basic concepts of inertial navigation with particular emphasis on modern strapdown system technology, providing detailed information on system mechanizations, instrumentation and computational aspects, design analysis, and applications of such systems. The three-axis gyroscopic drift of IMU is $^\circ/h$, the three-axis accelerometer zero-bias is $5Xg$. D. Titterton, J. Weston. Inertial navigation is widely used for the guidance of aircraft, Download PDF Strapdown Inertial Navigation Technology [PDF] [7ffjuk2au30]. Inertial navigation is widely used for the guidance of aircraft, missiles, ships and land vehicles, The book covers fundamental principles of inertial navigation and strapdown systems, reference frames, navigation equations, gyroscope technologies including mechanical Static Test. TL;DR: This paper looks at how a foot-mounted inertial unit, a detailed building model, and a particle filter can be combined to provide absolute positioning, despite the presence of Basic principles of strapdown inertial navigation systems. \Introduction A simple two-dimensional strapdown navigation system Reference frames Three This book sets out to provide a clear and concise description of the physical principles of inertial navigation, the associated growth of errors and their compensation. In particular, the text provides up-to-date information on inertial Published Engineering Physics. There is Strapdown Inertial Navigation Technology.