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3 Basic principles of strapdown inertial navigation systems + Show details.Hide details p. 17 -58 (42) The previous chapter has provided some insight into the basic measurements that are necessary for inertial navigation. For the purposes of the ensuing discussion, it is assumed that measurements of specific force and angular rate are available along and about axes which are mutually ...

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Strapdown Inertial Navigation Technology Second Edition D. H. Titterton Technical leader in Laser Systems at the Defence Science and Technology Laboratory (DSTL) Hampshire, UK J. L. Weston Principal Scientist with Halliburton Sperry-Sun Gloucestershire, UK Volume 207 PROGRESS IN ASTRONAUTICS AND AERONAUTICS

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An inertial navigation system (INS) is a navigation device that uses a computer, motion sensors (accelerometers) and rotation sensors to continuously calculate by dead reckoning the position, the orientation, and the velocity (direction and speed of movement) of a moving object without the need for external references. Often the inertial sensors are supplemented by a barometric altimeter and ...

Inertial navigation system - Wikipedia
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Performance estimate of some prototypes of inertial ...
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