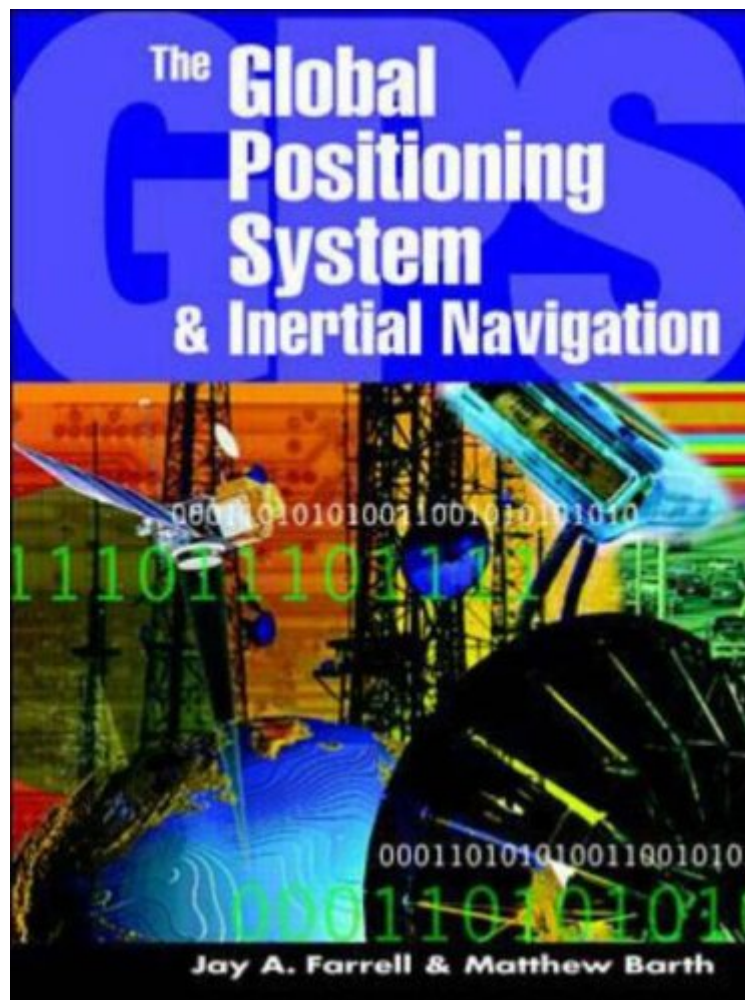# The Global Positioning System & Inertial Navigation PDF

The Global Positioning System & Inertial Navigation by Jay Farrell, Jay A. Farrell ISBN 007022045X
With GPS and INS hardware becoming ever smaller and less expensive, innovative opportunities for commercial navigation systems are everywhereÑand continue to arise. Integrated GPS/INS systems have some real advantages, in terms of output rate, reliability, and accuracy. The Global Positioning System and Inertial Navigation is the first-ever reference to provide engineers and scientists with a detailed, top-to-bottom look at GPS and INS in a single volume.

This in-depth text provides navigation system designers comprehensive and accurate coverage of such topics as coordinate frames and transformations, Kalman filtering techniques, navigation system performance analysis, GPS receiver ephemeris and pseudo-range processing, differential

GPS, carrier phase processing, and attitude determination. Extensively cross-referenced to the literature on advanced navigation system design, this superb engineering reference is ideal for navigation systems designers, analysts, and project managers.

The Global Positioning System & Inertial Navigation Review

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