Bibliography test

This document's purpose is to demonstrate and verify the syntax of .bib files, such as the colocated all-rsh-data.bib.

I. ACKNOWLEDGMENTS

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REFERENCES

- [1] Simon L. Altmann. Rotations, quaternions, and double groups, 2005.
- [2] Ravindra Babu and Jinling Wang. Ultra-tight gps/ins/pl integration: Kalman filter performance analysis. GNSS 2005, pages 8–10, 2005.
- [3] Matej Bazed and Franc Dmic. Dopper Effect Measurements with SDR. 03 2018.
- [4] John H Blakelock. Automatic control of aircraft and missiles, 1991.
- [5] Bosch Sensortec. BNO055 Datasheet, June 2016. Rev 1.4.
- [6] R. P. G Collinson. Introduction to avionics systems, 2003.
- [7] John H. (John Horton) Conway. On quaternions and octonions: their geometry, arithmetic, and symmetry, 2003.
- [8] Randy Culp. Rocket equations. URL: http://www.rocketmime.com/ rockets/RocketEquations.pdf.
- [9] Börje Forssell. Radionavigation systems, 2008.
- [10] Manuel Fuhr, Martin Braun, Christian Sturm, Lars Reichardt, and Friedrich K Jondral. An SDR-based Experimental Setup for OFDMbased Radar. 2012.
- [11] Mohinder S Grewal. Kalman filtering: theory and practice using matlab, 2008.
- [12] David Harris. Ground studies for pilots. flight instruments & automatic flight control systems, 2004.
- [13] IEEE. PLANS2004: [IEEE] Position Location and Navigation Symposium: Monterey, California, April 26-29, 2004.
- [14] International Civil Aviation Organization. Global navigation satellite system (GNSS) manual. Technical report, Montréal, Québec, Canada, 2005.
- [15] InvenSense Inc. MPU-6000 and MPU-6050 Product Specification, Aug 2013. Rev 3.4.
- [16] Y. Kim, S. Choi, H. Kim, and J. Lee. Performance improvement and height estimation of pedestrian dead-reckoning system using a low cost mems sensor. In 2012 12th International Conference on Control, Automation and Systems, pages 1655–1660, Oct 2012.
- [17] Y. Kim, S. Choi, H. Kim, and J. Lee. Performance improvement and height estimation of pedestrian dead-reckoning system using a low cost mems sensor. In 2012 12th International Conference on Control, Automation and Systems, pages 1655–1660, Oct 2012.
- [18] Jack B. Kuipers. Quaternions and rotation sequences: a primer with applications to orbits, aerospace, and virtual reality, 1999.
- [19] measurement specialties. MS5803-14BA Miniature 14 bar Module, Sep 2012. ECN1703.
- [20] Mediatek. MT3339 All-in-One GPS Datasheet, Jan 2017. Rev 1.0.
- [21] Shmuel Merhav. Aerospace sensor systems and applications, 1996.
- [22] John R Newport. Avionic systems design, 1994.
- [23] Maxwell Noton. Spacecraft navigation and guidance, 1998.
- [24] Robert Osiander. MEMS and Microstructures in aerospace applications, 2006.
- [25] Mukund R. Patel. Spacecraft power systems, 2005.
- [26] G Satheesh Reddy and VK Saraswat. Advanced navigation system for aircraft applications. *Defence Science Journal*, 63(2):131–137, 2013.
- [27] Robert M Rogers. Applied mathematics in integrated navigation systems, 2007.

- [28] William T Russell. Inertial guidance for rocket-propelled missiles. Journal of Jet Propulsion, 28(1):17–24, 1958.
- [29] C. J Savant. Principles of inertial navigation, 1961.
- [30] Clement Joseph Savant. Principles of inertial navigation. McGraw-Hill, 1961. URL: http://hdl.handle.net/2027/mdp.39015008419684.
- [31] H. Seraji and N. Serrano. A multisensor decision fusion system for terrain safety assessment. *IEEE Transactions on Robotics*, 25(1):99– 108, Feb 2009. doi:10.1109/TRO.2008.2006705.
- [32] Ravi Shankar. Fusion of onboard sensors for better navigation. Defence Science Journal, 63(2):145–152, 2013.
- [33] Marvin Kenneth Simon. Bandwidth-efficient digital modulation with application to deep-space communications, 2003.
- [34] Kyle M Smalling and Kenneth W Eure. A short tutorial on inertial navigation system and global positioning system integration. 2015. URL: https://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/20150018921.pdf.
- [35] Dale Stacey. Aeronautical radio communication systems and networks, 2007.
- [36] R. S. Stansbury, M. Towhidnejead, N. Demidovich, C. Greenlow, J. DiNofrio, and D. Edwards. Initial flight tests of uat ads-b unit for suborbital reusable launch vehicles. In 2013 Integrated Communications, Navigation and Surveillance Conference (ICNS), pages 1–11, April 2013. doi:10.1109/ICNSurv.2013.6548528.
- [37] STMicroelectronics. MEMS pressure sensor: 260-1260 mbar absolute digital output barometer: Datasheet – production data, Mar 2012. Rev
- [38] Ashish Tewari. Atmospheric and space flight dynamics: modeling and simulation with matlab and simulink, 2007.
- [39] William Tyrrell Thomson. Introduction to space dynamics. American Journal of Physics, 30(8):608–609, 1962.
- [40] Michael H Tooley. Aircraft communications and navigation systems: principles, operation and maintenance, 2007.
- [41] Michael H Tooley. Aircraft electrical and electronic systems: principles, operation and maintenance, 2009.
- [42] u-blox. NEO-6: u-blox 6 GPS Modules: Data Sheet.
- [43] u-blox. ZED-F9P: u-blox F9 high precision GNSS module: Data Sheet, Feb 2019. Rev R04.
- [44] University of North Dakota Advanced Rocketry Club. Avionics Team Preliminary Design Review. Technical report, 2019. URL: https://github.com/UND-ARC/research/blob/master/docs/Reports/PDR-Avionics.docx.
- [45] Sasi Prabhakaran Viswanathan, Amit Kumar Sanyal, and Maziar Izadi. Mechatronics architecture of smartphone-based spacecraft adcs using vscmg actuators. arXiv preprint arXiv:1509.03677, 2015.
- [46] J. Wang and K. Liang. Multi-sensor data fusion based on fault detection and feedback for integrated navigation systems. In 2008 International Symposium on Intelligent Information Technology Application Workshops, pages 232–235, Dec 2008. doi:10.1109/IITA. Workshops.2008.240.
- [47] Xin Wang and Lu Xiao. Gyroscope-reduced inertial navigation system for flight vehicle motion estimation. Advances in Space Research, 59(1):413–424, 2017.
- [48] Xin Wang and Lu Xiao. Gyroscope-reduced inertial navigation system for flight vehicle motion estimation. *Advances in Space Research*, 59(1):413–424, 2017.
- [49] L. M. B. Winternitz, W. A. Bamford, and G. W. Heckler. A gps receiver for high-altitude satellite navigation. *IEEE Journal of Selected Topics in Signal Processing*, 3(4):541–556, Aug 2009. doi:10.1109/JSTSP. 2009.2023352.
- [50] James S Wolper. Understanding mathematics for aircraft navigation, 2001.
- [51] Yuanxin Wu, Xiaoping Hu, Dewen Hu, Tao Li, and Junxiang Lian. Strapdown inertial navigation system algorithms based on dual quaternions. *IEEE Transactions on Aerospace and Electronic Systems*, 41(1):110–132, Jan 2005. doi:10.1109/TAES.2005.1413751.
- [52] Ya Zhang, Fei Yu, Wei Gao, and Yanyan Wang. An improved strapdown inertial navigation system initial alignment algorithm for unmanned vehicles. Sensors, 18(10):3297, 2018.

[53] Houde Dai Xuke Xia Zhirong Lin, Yongsheng Xiong. An Experimental Performance Evaluation of the Orientation Accuracy of Four Nine-Axis MEMS Motion Sensors. doi:DOII0.1109/ES.2017.37.