

DAFTAR PUSTAKA

- [1] T. G. R. Reid, A. M. Neish, T. Walter, and P. K. Enge, “Broadband LEO Constellations for Navigation,” *Navig. J. Inst. Navig.*, vol. 65, no. 2, pp. 205–220, 2018.
- [2] Y. Vasavada, D. Arur, C. Ravishankar, and C. Barnett, “User location determination using delay and Doppler measurements in LEO satellite systems,” *Proc. - IEEE Mil. Commun. Conf. MILCOM*, vol. 2017-Octob, pp. 325–330, 2017.
- [3] W. H. Hsu and S. S. Jan, “Assessment of using Doppler shift of LEO satellites to aid GPS positioning,” *Rec. - IEEE PLANS, Position Locat. Navig. Symp.*, pp. 1155–1161, 2014.
- [4] S. Panko and M. Tsimbal, “The method of determining the speed of a spacecraft in a Low Earth Orbit personal satellite communication systems,” *2017 Int. Sib. Conf. Control Commun. SIBCON 2017 - Proc.*, pp. 3–5, 2017.
- [5] C. Zheng, C. Xi, and H. Zhen, “A comprehensive analysis on Doppler frequency and Doppler frequency rate characterization for GNSS receivers,” *2016 2nd IEEE Int. Conf. Comput. Commun. ICCC 2016 - Proc.*, pp. 2606–2610, 2017.
- [6] R. Danesfahani and P. Kateb, “Doppler shift in medium-earth and low-earth equatorial satellites,” *2008 3rd Int. Conf. Inf. Commun. Technol. From Theory to Appl. ICTTA*, no. 2, pp. 0–4, 2008.
- [7] X. Chen, M. Wang, and L. Zhang, “Analysis on the performance bound of doppler positioning using one LEO satellite,” *IEEE Veh. Technol. Conf.*, vol. 2016-July, no. 1, 2016.
- [8] N. Ayat and M. Mehdipour, “Accurate Doppler Prediction Scheme for Satellite Orbits,” *Proc. 5th WSEAS*, pp. 1–6, 2016.
- [9] P. Freda, A. Angrisano, S. Gaglione, and S. Troisi, “Time-differenced carrier phases technique for precise GNSS velocity estimation,” *GPS Solut.*, vol. 19, no. 2, pp. 335–341, 2015.
- [10] A. C. CLARKE, “Extra-Terrestrial Relays,” *Prog. Astronaut. Rocket.*, pp. 3–6, 1966.

- [11] B. W. PARKINSON, T. STANSELL, R. BEARD, and K. GROMOV, “A History of Satellite Navigation,” *Navigation*, vol. 42, no. 1, pp. 109–164, 1995.
- [12] N. Bonnor, “A brief history of global navigation satellite systems,” *J. Navig.*, vol. 65, no. 1, pp. 1–14, 2012.
- [13] International Committee on Global Navigation Satellite Systems (ICG), “Current and Planned Global and Regional Navigation Satellite Systems and Satellite-based Augmentations Systems,” *UNITED NATIONS Publ.*, vol. ST/SPACE/5, pp. 3–54, 2010.
- [14] G. Maral and M. Bousquet, *Satellite Communications Systems: Systems, Techniques and Technology*, vol. 56, no. 8.9. 2011.
- [15] F. A. Administration, “Describing Orbits,” *Adv. Aerosp. Med. Online*, pp. 154–163, 2018.
- [16] NASA, “Orbit Definition,” *Ancillary Descr. Writ. Guid. 2013*, 2012.
- [17] United States Department of Defense, *NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY (NGA) STANDARDIZATION DOCUMENT*, vol. 1. United State of America: DoD, 2014, p. 207.
- [18] J. W. Betz, *Engineering Satellite-Based Navigation and Timing*, I. John Wiley & Sons, Inc., 2015.
- [19] UK Government, “Satellite-derived Time and Position : A Study of Critical Dependencies,” pp. 1–86, 2007.
- [20] U. Nations, *The Interoperable Global Navigation Satellite Systems Space Service Volume*, vol. ST/SPACE/7. 2018.
- [21] ICAO, “Global Navigation Satellite System (GNSS) Manual,” *Int. Civ. Aviat. Organ.*, vol. Doc 9849 A, no. First Edition, 2005.
- [22] NAL Research, “Datum Transformations of GPS Positions Application Note,” 1999.
- [23] GPS Navstar, “Standard Positioning Service,” p. 46, 1995.
- [24] R. B. Langley, “Dilution of Precision,” *GPS World*, vol. 10, no. May, pp. 52–59, 1999.
- [25] B. S. S. I. Dutt, G. S. B. Rao, S. S. Rani, S. R. Babu, R. Goswami, and C. U. Kumari, “Investigation of GDOP for Precise user Position Computation

with all Satellites in view and Optimum four Satellite Configurations,” *J. Indian Geophys. Union*, vol. 13, no. 3, pp. 139–148, 2009.

- [26] M. Karaim, M. Elsheikh, and A. Noureldin, “GNSS Error Sources,” *Intech open*, vol. 2, p. 64, 2015.
- [27] E. D. Kaplan and C. J. Hegarty, *Understanding GPS/GNSS. Principles and Applications*. 2017.
- [28] N. Ashby, “Relativity in the global positioning system,” *Living Reviews in Relativity*. 2003.
- [29] E. Groten, “Report of Special Commission 3 of IAG,” *Int. Astron. Union Colloq.*, 2000.
- [30] P. Misra and P. Enge, *Global Positioning System: Signals, Measurements, and Performance*. Ganga-Jamuna Press, 2011.
- [31] J. A. Klobuchar, “Ionospheric Time-Delay Algorithm for Single-Frequency GPS Users,” *IEEE Trans. Aerosp. Electron. Syst.*, 1987.
- [32] P. Silva, J. Sanguino, T. Ferreira, and A. Rodrigues, “Improving GNSS Availability by Using Predicted Doppler Measurements,” *URSI Semin. Port. Comm.*, 2012.
- [33] S. Gaglione and M. Petovello, “How does a GNSS receiver estimate velocity?,” *Insid. GNSS*, pp. 38–41, 2015.
- [34] J. Zhang, “Precise velocity and acceleration determination using a standalone GPS receiver in real time,” *RMIT*, vol. Dissertation, 2007.
- [35] F. VAN GRAAS and A. SOLOVIEV, “Precise Velocity Estimation Using a Stand-Alone GPS Receiver,” *Navigation*, vol. 51, no. 4, pp. 283–292, 2004.
- [36] I. del Portilloa, B. G. Cameronb, and E. F. Crawleyc, “A Technical Comparison of Three Low Earth Orbit Satellite Constellation Systems to Provide Global Broadband Inigo,” *Acta Astronaut.*, vol. 159, pp. 123–135, 2019.
- [37] FEDERAL COMMUNICATIONS COMMISSION SATELLITE SPACE STATION AUTHORIZATIONS, “IRIDIUM NEXT Technical and Operational Description FCC 312,” 2013.
- [38] FEDERAL COMMUNICATIONS COMMISSION SATELLITE SPACE

STATION AUTHORIZATIONS, “Telesat LEO Constellation Technical and Operational Description FCC 312,” 2016.

- [39] FEDERAL COMMUNICATIONS COMMISSION SATELLITE SPACE STATION AUTHORIZATIONS, “ONEWEB Technical and Operational Modification Description FCC 312,” 2016.

