

# เอกสารอ้างอิง

- [Bate *et al.*, 1971] Bate, R.R., Mueller, D.D., White, J.E., Fundamentals of Astrodynamics, Dover Publications, 1971.
- [Blitzer *et al.*, 1962] Blitzer, L., Boughton, E.M., Kang, G. and Page, R.M., "Effect of ellipticity of the equator on 24-hour nearly circular satellite orbit", Journal of Geophysical Research, Vol. 67, No. 1, 1962, pp. 329-335.
- [Blitzer, 1965] Blitzer, L., "Equilibrium position and stability of 24-hour satellite orbit", Journal of Geophysical Research, Vol. 70, No. 16, 1965, pp. 3987-3992.
- [Blitzer, 1970] Blitzer, L., Handbook of Orbital Perturbations, Astronautics 453, University of Arizona, 1970.
- [Brouwer and Clemence, 1961] Brouwer, D., and Clemence, G.M., Methods of Celestial Mechanics, Academic Press, 1961.
-

- 
- [Brouwer and Hori, 1961] Brouwer, D., and Hori, G., “Theoretical evaluation of atmospheric drag effects on the motion of an artificial satellite”, *The Astronomical Journal*, Vol. 66, No. 5, 1961, pp. 193-225.
- [Brouwer, 1959] Brouwer, D., “Solution of the problem of artificial satellite theory without drag”, *The Astronomical Journal*, Vol. 64, No. 1274, 1959, pp. 378-397.
- [Brown and Hwang, 1997] Brown, R.G., Hwang, P.Y.C., *Introduction to Random Signals and Applied Kalman Filtering*, third edition, John Wiley, 1997.
- [Brown and Ward, 1990] Brown, R., and Ward, P., Ward, “A GPS Receiver with Built-in Precision Positioning Capability”, in *Proc. IEEE PLANS*, 1990, pp 83-93.
- [Carpenter and Hain, 1997] Carpenter, J.R., and Hain, R.M., “Precise Evaluation of Orbital GPS Attitude Determination on the STS-77 GPS Attitude and Navigation Experiment (GANE)”, in *Proc. ION-GPS*, 1997, pp. 387-398.
- [Cohen, 1992] Cohen, C.E., “Attitude Determination using GPS”, Ph.D. Dissertation, Dept. of Aeronautics and Astronautics, Stanford University, Stanford, CA, 1992.
- [Conway *et al.*, 1996] Conway, A., Montgomery, P., Rock, S., Cannon, R., and Parkinson, B., “A New Motion-Based Algorithms for GPS Attitude Integer Resolution”, *Journal of the Institute of Navigation*, Vol. 43, No. 2, pp. 179-190, 1996.
- [Cook, 1963] Cook, G.E., “Perturbations of satellite orbits by tesseral harmonics in the Earth’s gravitational potential”, *Planetary and Space Science*, Vol. 11, 1963, pp. 797-815.
- [Cook, 1966] Cook, G.E., “Perturbations of near-circular orbits by the Earth’s gravitational potential”, *Planetary and Space Science*, Vol. 14, 1966, pp. 433-444.
- [Crassidis *et al.*, 1999] Crassidis, J.L., Markey, F.L., Lightsey, E.G., “Global Positioning System Integer Ambiguity Resolution Without Attitude Knowledge”, *Journal of Guidance, Control, and Dynamics*, Vol. 22, No. 2, March, 1999, pp. 212-218.
- [Dallas and Diehl, 1977] Dallas, S.S., and Diehl, R.E., “The motion of a satellite in resonance with the second-degree sectorial harmonic”, *Celestial Mechanics*, Vol. 16, 1977, pp. 97-121.
- [Fang and Seifert, 1985] Fang, B.T., and Seifert, E., “An evaluation of global positioning system data for LandSat-4 orbit determination”, *Proceeding of AIAA Aerospace Science Meeting*, 1985, pp. 14-17.
-

- 
- [Garfinkel, 1965] Garfinkel, B., "Tesseral harmonic perturbations of an artificial satellite", *The Astronomical Journal*, Vol. 70, No. 10, 1965, pp. 784-786.
- [Gedeon *et al.*, 1967] Gedeon, G.S., Douglas, B.C., and Palmiter, M.T., "Resonance effect on eccentric satellite orbits", *The Journal of the Astronautical Sciences*, Vol. 14, No. 4, 1967, pp. 147-157.
- [Gedeon, 1969] Gedeon, G.S., "Tesseral resonance effects on satellite orbits", *Celestial Mechanics*, Vol. 1, 1969, pp. 167-189.
- [Gooding, 1991] Gooding, R.H., "Perturbations, Untruncated in Eccentricity, for an orbit in Axi-symmetry gravitational field", *The Journal of the Astronautical Sciences*, Vol. 39, No.1, 1991, pp. 65-85.
- [Gooding, 1992] Gooding, R.H., "Untruncated satellite perturbations in a nonrotating gravitational field", *Journal of Guidance, Control, and Dynamics*, Vol. , No. , 1992, pp. 1397-1405.
- [Hashida and Palmer, 2001] Hashida, Y., and Palmer, P.L., "Epicyle Motion of Satellite About an Oblate Planet", *Journal of Guidance, Control, and Dynamics*, Vol. 24, No. 3, 2001, pp. 586 – 596.
- [Hashida and Palmer, 2002] Hashida, Y., and Palmer, P.L., "Epicyle Motion of Satellite Under Rotating Potential", *Journal of Guidance, Control, and Dynamics*, Vol. 25, No. 3, 2002, pp. 571– 581.
- [Hoots and France, 1987] Hoots, F.R., and France, R.G., "Analytical satellite theory using gravity and a dynamic atmosphere", *Celestial Mechanics*, Vol. 40, No.1, 1987, pp. 1-18.
- [Hoots and Roehrich, 1980] Hoots, F.R., and Roehrich, R.L., *Spacetrack Report No. 3, Models for Propagation of NORAD element sets*, 1980.
- [Hoots, 1981] Hoots, F.R., "Reformulation of the Brouwer geopotential theory for improved computational efficiency", Vol. 24, 1981, pp. 367-375.
- [Hujsak, 1979] Hujsak, R.S., "A Restricted Four Body Solution for Resonating Satellites with an Oblate Earth," *AIAA Paper No. 79-136*, June, 1979.
- [Kaplan, 1996] Kaplan, E.D., *Understanding GPS: Principles and Applications*, Artech House, 1996.
- [Kaula, 1966] Kaula, W.M., *Theory of Satellite Geodesy*, Blaisdell publishing, 1966.
-

- 
- [Kelso, 2000] Kelso, T.S., NORAD Two-Line Element Set Format, [www.celestrak.com](http://www.celestrak.com), 2000.
- [King- Hele and Cook, 1965] King- Hele, D.G., and Cook, G.E., The Even Zonal Harmonics of the Earth's Gravitational Potential, *Geophysical Journal*, No. 10, p 17, 1965
- [King- Hele *et al.*,1967] King- Hele, D.G., Cook, G.E., and Scott, D.W., Odd Zonal Harmonics in the Geopotential, *Planet Space Science*, No. 15, p 741, 1967
- [King-Hele, 1958] King-Hele, D.G., "The effect of the Earth's oblateness on the orbit of a near satellite", *Proceedings of the Royal of London, Series A*, Vol. 247, 1958, pp. 49-72.
- [King-Hele, 1987] King-Hele, D.G., *Theory of Satellite Orbits in an Atmosphere*, Blackie and Son Ltd, 1987.
- [King-Hele, 1992] King-Hele, D.G., "A Tapestry of Orbits", Cambridge University Press, 1992.
- [Knight, 1994] Knight, D., "A New Method of Instantaneous Ambiguity Resolution", in *Proc. ION-GPS*, 1994, pp. 707-716.
- [Koenigsmann *et al.*, 1996] Koenigsmann, H.J., Collins, J.T., Drawson, S., and Wertz, J.R., "Autonomous orbit maintenance system", *Journal of Acta Aeronautica*, Vol. 39, No. 9-12, 1996, pp. 977-985.
- [Kosai, 1969] Kosai, Y., Revised Zonal Harmonics in the Geopotential, *Smithsonian Astrophysics Observation Special Report*, No. 295, 1969
- [Kozai, 1959] Kozai, Y., "The motion of a close Earth satellite", *The Astronomical Journal*, Vol. 64, No. 1274, 1959, pp. 367-377.
- [Kozai, 1961] Kozai, Y., "Note on the motion of a close Earth satellite with a small eccentricity", *The Astronomical Journal*, Vol. 66, No. 3, 1961, pp. 132-134.
- [Kozai, 1962] Kozai, Y., "Second-order solution of artificial satellite theory without air drag", *The Astronomical Journal*, Vol. 67, No. 7, 1962, pp. 446-461.
- [Kreyszig, 1993] Kreyszig, E., *Advanced Engineering Mathematics*, John Wiley, 1993.
- [Lane *et al.*, 1962] Lane, M.H., Fitzpatrick, P.M. and Murphy, J.J., "On the Representation of Air Density in Satellite Deceleration Equations by Power Functions with Integral Exponents", *Project Space Track Tech. Rpt. No. APGC-TDR-62-15*, March, 1962, Air Force Systems Command, Eglin, FL.
-

- [Lightsey *et al.*, 1996] Lightsey, G.E., Ketchum, E., Flatley, T.W., Crassidis, J.L., Freesland, D., Reiss, K., and Young, D., "Flight Results of GPS Based Attitude Control on the REX II Spacecraft", in *Proc. ION-GPS*, 1996, pp. 1037-1046.
- [Lightsey, 1997] Lightsey, G., "Development and Flight Demonstration of a GPS Receiver for Space", Ph.D. Dissertation, Dept. of Aeronautics and Astronautics, Stanford University, Stanford, CA, 1997.
- [Long *et al.*, 1989] Long, A.C., Cappellari, J.O., Velez, C.E., and Fuchs, A.J., Goddard Trajectory Determination System (GTDS) Mathematical Theory, National Aeronautics and Space Administration, Goddard Space Flight Center, 1989.
- [Lyddane, 1963] Lyddane, R.H., "Small eccentricities or inclinations in the Brower theory of the artificial satellite", *The Astronomical Journal*, Vol. 68, No. 8, 1963, pp. 555-558.
- [Martin-Neira *et al.*, 1995] Martin-Neira, M., Tledo, M., and Pelaez, "The Null Space Method for GPS Integer Ambiguity Resolution", in *Proc. DSNS*, 1995, pp. 170-178
- [Merson, 1961] Merson, R.H., "The motion of a satellite in an axisymmetric gravitational field", *Geophysics Journal*, Vol. 4, 1961, pp. 17-52.
- [Mikkola *et al.*, 2000] Mikkola, S., Palmer, P., and Hashida, Y., "A symplectic orbital estimator for direct tracking on satellite", *The Journal of the Astronautical Sciences*, Vol. 48, No.1, 2000, pp. 109-125.
- [Musen, 1960] Musen, P., "On the motion of a satellite in an asymmetrical gravitational field", *Journal of Geophysical Research*, Vol. 65, No. 9, 1960, pp. 2783-2792.
- [NIMA, 2000] NIMA, World Geodetic System 1984, NIMA TR8350.2, 2000
- [Parkinson, 1966] Parkinson, B.W., GPS Performance and Error Analysis, Global Positioning System: Theory and Applications, Vol. 2, 1996, pp. 469-772.
- [Purivigraipong, 2000] Purivigraipong, S., Study of Spacecraft Attitude Determination from Phase Information of GPS Signals, Ph.D. Dissertation, University of Surrey, 2000.
- [Quinn, 1993] Quinn, P.G., "Instantaneous GPS Attitude Determination", in *Proc. ION-GPS* 1993, pp. 603-615.
- [Shuster and Oh, 1981] Shuster, M.D., and Oh, S.D., "Three-Axis Attitude Determination from Vector Observations", *AIAA Journal*

- 
- of Guidance, Control, and Dynamics*, Vol.4, No.1, pp. 70-77, 1981
- [Steyn and Hashida, 1999] Steyn, W.H., and Hashida, Y., “In-Orbit Attitude and Orbit Control Commissioning of UoSat-12”, in *Proc. the 4<sup>th</sup> ESA International Conference on Spacecraft Guidance, Navigation and Control System*, ESTEC, Noordwijk, 1999, pp. 95-101.
- [Sternberg and Smith, 1944] Sternberg, W.J., and Smith, T.L., *The Theory of Potential and Spherical Harmonics*, University of Toronto Press, 1944
- [Tapley *et al.*, 2004] Tapley, B.D., Schutz, B.E., and Born, G.H., *Statistical Orbit Determination*, Elsevier Academic Press, 2004.
- [Unwin *et al.*, 1999] Unwin, M.J., Oldfield, M.K., Purivigraipong, S., Hashida, Y., Palmer, P., and Kitching, I., “Preliminary Orbital Results from the SGR Space GPS Receiver”, in *Proc of the ION-GPS*, 1999, pp. 849-856
- [Unwin, 1995] Unwin, M.J., *The Design and Implementation of a Small Satellite Navigation Unit Based on a Global Positioning System Receiver*, Ph.D. Dissertation, University of Surrey, 1995.
- [Vallado, 1997] Vallado, D.A., *Fundamentals of Astrodynamics and Applications*, McGraw Hill, 1997.
- [Vinti, 1998] Vinti, J.P., “Orbital and Celestial Mechanics”, Chapter 19-20, American Institute of Astronautics and Aeronautics, Inc., 1998, pp. 219-252.
- [Wahba, 1965] Wahba, G., “A least Squares Estimate of Spacecraft Attitude”, *SIAM Review*, Vol. 7, No. 3, 1965, problem 65-1, p. 409.
- [Wertz, 1978] Wertz, J.R., *Spacecraft Attitude Determination and Control*, Kluwer Academic Publishers, 1978.
- [Wu *et al.*, 1991] Wu, S.C., Yunck, T.P., and Thornton, C.L., “Reduced-dynamic technique for precise orbit determination of low-earth satellites”, *Journal Guidance, Control and Dynamics*, Vol. 14, No.1, 1991, pp.24-30.
- [Yunck *et al.*, 1985] Yunck, T.P., Melbourne, W.G., and Thornton, C.L., “GPS-based satellite tracking system for precise positioning”, *IEEE Transactions on Geoscience and Remote Sensing*, Vol. 23, 1985, pp. 450-457.
-