## **Bibliography**

- Abramowitz M. (ed.), and Stegun, I.A. (ed.). 1965. *Handbook of Methematical Functions: With Formulas, Graphs, and Mathematical Tables*. Dover. Chapter 22.
- Adams, J.C. 1900. Lectures on the Lunar Theory. Cambridge University Press.
- Barbour, J.B. 2001. *The Discovery of Dynamics: A Study from a Machian Point of View of the Discovery and the Structure of Dynamical Theories*. Oxford University Press.
- Bate, R.R., Mueller, D.D., and White, J.E. 1977. Fundamentals of Astrodynamics. Dover.
- Bertotti, B., Farinella, P., and Vokrouhlický, D. 2003. *The Physics of the Solar System: Dynamics and Evolution, Space Physics, and Spacetime Structure*. Kluwer Academic Publishers.
- Black, G.J., Nicholson, P.D., and Thomas, P.C. 1995. *Hyperion: Rotational Dynamics*. Icarus **117**, 149.
- Brouwer, D., and Clemence, G.M. 1961. *Methods of Celestial Mechanics*. Academic Press.
- Brouwer, D., and van Woerkom, A.J.J. 1950. Astronomical Papers of the American Ephemeris. *The Secular Variations of the Orbital Elements of the Principal Planets*. Planets **13**, 81.
- Brown, E.W. 1896. *An Introductory Treatise on the Lunar Theory*. Cambridge University Press.
- Chandrasekhar, S. 1969. Ellipsoidal Figures of Equilibrium. Yale University Press.
- Chapront, J., Chapront-Touzé, M., and Francou, G. 2002. A New Determination of Lunar Orbital Parameters, Precession Constant, and Tidal Acceleration from LLR Measurements. Astronomy and Astrophysics 387, 700.
- Chapront-Touzé, M., and Chapront, J. 1988. *A Semi-Analytic Lunar Ephemeris Adequate for Historical Times*. Astronomy and Astrophysics **190**, 342.
- Cook, A. 1988. *The Motion of the Moon*. Adam Hilger.
- Cotter, C.H. 1968. A History of Nautical Astronomy. The Bodley Head.
- Danby, J.M.A. 1992. *Fundamentals of Celestial Mechanics*, 2nd Edition, Revised and Enlarged. Willmann-Bell.
- Delaunay, C. 1867. Théorie du Mouvement de la Lune, two volumes. Mallet-Bachelier.
- de Pater, I., and Lissauer, J.J. 2010. *Planetary Sciences*, 2nd Edition. Cambridge University Press.
- Evans, J. 1998. The History and Practice of Ancient Astronomy. Oxford University Press
- Fowles, G.R., and Cassiday G.L. 2005. *Analytical Mechanics*, 7th Edition. Brooks/Cole–Thomson Learning.
- Godfray, H. 1853. An Elementary Treatise on the Lunar Theory. Macmillan.

260 Bibliography

Goldstein, H., Poole, C., and Safko. J. 2001. Classical Mechanics, 3rd Edition. Addison-Wesley.

Gradshteyn, I.S., and Ryzhik, I.M. 1980a. *Tables of Integrals, Series, and Products*, Corrected and Enlarged Edition, tr. A. Jeffrey. Academic Press. Section 7.221.

Gradshteyn, I.S., and Ryzhik, I.M. 1980b. *ibid*. Section 8.411.

Gradshteyn, I.S., and Ryzhik, I.M. 1980c. *ibid*. Section 8.440.

Gradshteyn, I.S., and Ryzhik, I.M. 1980d. ibid. Section 8.910.

Gradshteyn, I.S., and Ryzhik, I.M. 1980e. ibid. Chapters 13-15.

Hagihara, Y. 1971. Celestial Mechanics, Volume II, Part 1, Perturbation Theory. MIT Press.

Heath, T.L. 1991. Greek Astronomy. Dover.

Hoffleit, D., and Warren, W.H. Jr. 1991. *The Bright Star Catalogue*, 5th Revised Edition. Astronomical Data Center, NSSDC/ADC.

Jin, W., and Li, J. 1996. *Determination of Some Physical Parameters of the Moon with Lunar Laser Ranging Data*. Earth, Moon, and Planets **73**, 259.

Konopliv, A.S., Binder, A.B., Hood, L.L., et al. 1998. *Improved Gravity Field of the Moon from Lunar Prospector*. Science **281**, 1476.

Lamb, H. 1923. *Dynamics*, 2nd Edition. Cambridge University Press.

Laskar, J. 1990. The Chaotic Motion of the Solar System: A Numerical Estimate of the Size of the Chaotic Zones. Icarus 88, 266.

Love, A.E.H. 2011. A Treatise on the Mathematical Theory of Elasticity, 4th Edition. Dover.

Margot, L.J., Peale, S.J., Jurgens, R.F., et al. 2007. *Large Longitude Libration of Mercury Reveals a Molten Core*. Science **316**, 710.

Meeus, J. 2005. Astronomical Algorithms, 2nd Edition. Willmann-Bell.

Moulton, F.R. 1914. *An Introduction to Celestial Mechanics*, 2nd Revised Edition. Macmillan.

Murray, C.D., and Dermott, S.F. 1999. *Solar System Dynamics*. Cambridge University Press.

Pannekoek, A. 2001. A History of Astronomy. Dover.

Plummer, H.C. 1960. An Introductory Treatise on Dynamical Astronomy. Dover.

Press, W.H., Teukolsky, S.A., Vetterling, W.T., and Flannery, B.P. 1992. *Numerical Recipes in C: The Art of Scientific Computing*, 2nd Edition. Cambridge University Press. Chapter 11.

Rindler, W. 1977. *Essential Relativity: Special, General, and Cosmological*, 2nd Edition. Springer.

Roy, A.E. 2005. *Orbital Motion*, 4th Edition. Taylor & Francis.

Siedelmann, P., Archinal, B.A., A'Hearn, M.F., et al. 2007. Report of the IAU/ IAG Working Group on Cartographic Coordinates and Rotational Elements: 2006. Celestial Mechanics and Dynamical Astronomy 90, 155.

Smart, E.H. 1951. Advanced Dynamics, Volume I. Macmillan.

Smart, W.M. 1977. *Textbook on Spherical Astronomy*, 6th Edition. Cambridge University Press.

261 Bibliography

Standish, E.M., and Williams, J.G. 1992. *Orbital Ephemeris of the Sun, Moon, and Planets*, in *Explanatory Supplement to the Astronomical Almanac*, ed. P.K. Seidelmann. University Science Books. Table 8.10.3.

- Stephenson, F.R., and Morrison, L.V. 1995. Long-Term Fluctuations in the Earth's Rotation: 700 BC to AD 1990. Philosophical Transactions of the Royal Society A 351, 165.
- Stewart, M.G. 2005. *Precession of the Perihelion of Mercury's Orbit*. American Journal of Physics **73**, 730.
- Strogatz, S.H. 2001. Nonlinear Dynamics and Chaos: With Applications to Physics, Biology, Chemistry, and Engineering. Westview.
- Taton, R., and Wilson, C. (eds.) 1995. The General History of Astronomy, Volume 2: Planetary Astronomy from the Renaissance to the Rise of Astrophysics, Part B: The Eighteenth and Nineteenth Centuries. Cambridge University Press.
- Thomas, P.C., Black, G.J., and Nicholson, P.D. 1995. *Hyperion: Rotation, Shape, and Geology from Voyager Images*. Icarus **117**, 128.
- Thornton, S.T., and Marion, J.B. 2004. *Classical Dynamics of Particles and Systems*, 5th Edition. Brooks/Cole—Thomson Learning.
- Williams, J.G., and Dickey, J.O. 2003. *Lunar Geophysics, Geodesy, and Dynamics*, in *13th International Workshop on Laser Ranging*, eds. R. Noomen, S. Klosko, C. Noll, and M. Pearlman (NASA/CP-2003-212248). p. 75.
- Willner, K., Oberst, J., Hussmann, H., et al. 2010. *Phobos Control-Point Network, Rotation, and Shape*. Earth and Planetary Science **294**, 541.
- Yoder, C.F. 1995. Astrometric and Geodetic Properties of Earth and the Solar System, in Global Earth Physics: A Handbook of Physical Constants, ed. T. Ahrens. American Geophysical Union.
- Zhang, C.Z. 1992. Love Numbers of the Moon and of the Terrestrial Planets. Earth, Moon, and Planets **56**, 193.