

## References

- Aiello, J., Yong, K.**, The Earth's Gravitational Field, in *Spacecraft Attitude Determination and Control*, edited by J. R. Wertz, 123-129, Hilger, 1978
- Allen, C. W.**, Astrophysical Quantites (3<sup>rd</sup> Edition), *Athlone Press*, 1973
- Barrows, S. P., Swinerd, G.G., Crowther, R.**, The cascade fragmentation of a satellite constellation. *Adv. Space Res.* **16**, (11) 119-122, 1995
- Benn, C. R., and Ellison, S. L.**, La Palma night-sky brightness. *La Palma Technical Note 115*, 1998
- Beruto, E., Destefanis, R., Faraud, M., Buchwald, P.**, Debris shielding development for the Columbus orbital facility. In *Proc. Second European Conference on Space Debris, Darmstadt, Germany, 17-19 March 1997 (ESA SD-02)*, 509-517, 1997
- Bonnal, C., Sanchez, M., Naumann, W.**, Ariane debris mitigation measures. In *Proc. Second European Conference on Space Debris, Darmstadt, Germany, 17-19 March 1997 (ESA SD-02)*, 681-688, 1997
- Carter, D.**, WHT Prime Focus and Auxiliary Port Imaging Manual, *Isaac Newton Group of Telescopes*, 1994
- Chekalin, S. V., Lukiyashchenko, V., Blagun, V.**, Study of causes and feasible measures to prevent further space environment pollution. In *Proc. Second European Conference on Space Debris, Darmstadt, Germany, 17-19 March 1997 (ESA SD-02)*, 669-676, 1997
- Culp, R. D. and Gravseth, I. J.**, Optical calibration of common spacecraft materials. *Fifth Annual AAS/AIAA Space Flight Mechanics Conference, Feb 13-16, 1995*.
- Cumani, C., and Donaldson, R.**, FIERA CCD Controller, Software Functional Specifications. *European Southern Observatory (ESO) Technical Document No. VLT-SPE-ESO-13640-1266*, Issue 1.0, 1997.
- Dick, J. S. B.**, Background characterisation for observations of debris in space. *Technical note from ESA work package 2200*. 1991
- Duffett-Smith, P.**, *Practical Astronomy with your Calculator* (3<sup>rd</sup> Edition.), Cambridge University Press, 1988
- de Heer, J.**, Mathematics Department, University of Nijmegen, Netherlands, 1999 (Personal communication)
- Henize, K. G.**, Optical properties of orbital debris. *J. Spacecraft Rockets* **31**, (4) Jul-Aug 1994
- H.M. Nautical Almanac Office**, Astronomical Almanac for the Year 1997, H.M. Nautical Almanac Office, 1996
- Johnson, N. L. and McKnight, D. S.**, Artificial Space Debris, *Orbit*, 1987
- Kelso, T. S.**, Sunrise... Sunset. *Satellite Times* **3**, (4) 66-67, 1997
- Kessler, D. J.**, Orbital debris environment for spacecraft in Low Earth Orbit. *J. Spacecraft Rockets* **28**, (3) 347, 1991
- King-Hele, D.**, Theory of Satellite Orbits in an Atmosphere, Butterworths, 1964
- Klinkrad, H.**, (Ed), *ESA Space Debris Mitigation Handbook Draft 0.1, European Space*

- Agency*, 1998
- Kowal, C. T.**, Asteroids, Their Nature and Utilization (2<sup>nd</sup> Edition), Wiley, 1996
- Krisciunas, K. and Schaefer, B. E.**, A model of the brightness of moonlight. *Pub. Ast. Soc. Pacific* **103**, 1033-1039, 1991.
- Larson, W. J., and Wertz, J. R.**, Space Mission Analysis and Design (2<sup>nd</sup> edition), Kluwer, 1992
- Levasseur-Regourd, A.C. and Dumont, R.**, Absolute Photometry of Zodiacal Light. *Astronomy & Astrophysics*, **(84)**, 277, 1980.
- Lobb, D.R., and Dick, J.S.B.D.**, Study on Optical Sensors for Space Debris Observation, *SIRA Ltd*, **1**, 23, 1992
- Madler, R., Jorgensen, K., Spencer, D., Culp, R.**, Estimating the area of artificial space debris. In *Proc. Second European Conference on Space Debris, Darmstadt, Germany, 17-19 March 1997 (ESA SD-02)*, 297-302, 1997
- Matney, M., Settecerri, T., Johnson, N., Stansberry, E.**, Characterisation of the Breakup of the Pegasus Rocket Body 1994-029B, In *Proc. Second European Conference on Space Debris, Darmstadt, Germany, 17-19 March 1997 (ESA SD-02)*, 289-292, 1997
- McDonnell, J. A. M., Ratcliff, P. R., McBride, N., Collier, I.**, Microparticle populations at LEO altitudes: Recent spacecraft measurements. *Icarus* **127**, 55-64, 1997
- McLean, I. S.**, Electronic and computer-aided astronomy, *Ellis Horwood*, 1989
- Meshcheryakov, S. A.**, Physical characteristics of alkaline metals and behaviour of liquid metal coolant droplets occurring in near-Earth orbits. In *Proc. Second European Conference on Space Debris, Darmstadt, Germany, 17-19 March 1997 (ESA SD-02)*, 257-259, 1997
- Myler, H. R. and Weeks, A. R.**, The Pocket Handbook of Image Processing Algorithms in C, *PTR Prentice Hall*, 1993
- Penney Jr, R. E.**, Motorola's debris protection practices. In *Proc. Second European Conference on Space Debris, Darmstadt, Germany, 17-19 March 1997 (ESA SD-02)*, 693-696, 1997
- Petri, W.**, Artificial Earth Satellites. In *Astronomy A Handbook* (Roth, G. D., Ed.), *Springer-Verlag*, 1975
- Potter, A. E.**, Ground-based optical observations of orbital debris: A review. *Adv. Space Res.* **16**, (11) 35-45, 1995
- Rabinowitz, D. L.**, Detection of Earth-Approaching Asteroids in Near Real Time, *The Astronomical Journal*, **101**, (4), 1518-1529, 1991
- Reynolds, R., Eichler, P., Johnson, N.**, An overview of revised NASA safety standard 1740.14. In *Proc. Second European Conference on Space Debris, Darmstadt, Germany, 17-19 March 1997 (ESA SD-02)*, 721-726, 1997
- Roy, A. E.**, Orbital Motion (3<sup>rd</sup> Edition), *Hilger*, 1988
- Ryan, S. G. and Fish, A. C.**, The UCL Coudé Echelle Spectrographs, *AAO Manual No. UM25.2*, Anglo-Australian Observatory, 1995
- Sato, T.**, Shape of space debris as estimated from radar cross-section variations. *J. Spacecraft Rockets* **31** (4) Jul-Aug 1994
- Schaefer, B. E.**, Astronomy and the limits of vision. *Vistas in Astronomy* **36**, 311-361,

- 1993.
- Siegel, C.**, Teach Yourself C (2<sup>nd</sup> Edition.), *MIS:Press*, 1989
- Sridhaven, R., Beavers, W., Lambour, R., Gaposchkin, E.M., Kansky, J.**, Remote sensing and characterisation of anomalous debris. In *Proc. Second European Conference on Space Debris, Darmstadt, Germany, 17-19 March 1997 (ESA SD-02)*, 261-269, 1997
- Stansberry, G., Matney, M., Settecerri, T., Bade, A.**, Debris families observed by the haystack orbital debris radar, *Acta Astronautica*, **41**, (1), 53-56, 1997
- Swinerd, G., Barrows, S., Crowther, R.**, Debris risk analysis of an 800 satellite constellation using the space debris simulation (SDS) software suite. In *Proc. Second European Conference on Space Debris, Darmstadt, Germany, 17-19 March 1997 (ESA SD-02)*, 629-632, 1997
- Vokrouhlický, D., Farinella, P., Mignard, F.**, Solar radiation pressure perturbations for Earth satellites (1. A complete theory including penumbra transitions). *Astron. Astrophys.* **(280)**, 295-312, 1993
- Wernet, M. P. and Edwards, R. V.**, New space domain processing technique for pulsed laser velocimetry. *Applied Optics* **29**, (23) 3399-3417, 1990.
- Wernet, M. P. and Pline, A.**, Particle displacement tracking technique and Cramer-Rao lower bound error in centroid estimates from CCD imagery. *Experiments in Fluids* **15**, 295-397, 1993.
- Wernet, M. P.**, Two-dimensional particle displacement tracking in particle imaging velocimetry. *Applied Optics* **30**, (14) 1839-1846, 1991.
- Wertz, J. R.**, Solar System Constants, in *Spacecraft Attitude Determination and Control*, edited by J. R. Wertz, pp 814-825, Hilger, 1978
- Wiesel, W. E.**, Spaceflight Dynamics, *Mc-Graw Hill*, 1989
- Williams, G.** (compiler), Closest Approaches to the Earth by Minor Planets, <http://cfa-www.harvard.edu/iau/lists/Closest.html>, Minor Planet Centre, Smithsonian Astrophysical Observatory, 1999