

ALAN TRIBBLE'S SEE PUBLICATIONS

Books

Tribble, A. C., *The Space Environment: Implications for Spacecraft Design*, 2nd Ed., (Princeton, NJ: Princeton University Press, 2003).

Tribble, A. C., *A Tribble's Guide to Space*, (Princeton, NJ: Princeton University Press, 2000).

Tribble, A. C., *Fundamentals of Contamination Control*, (Bellingham, WA: SPIE Press, 2000).

Tribble, A. C., *Princeton Guide to Advanced Physics*, (Princeton, NJ: Princeton University Press, 1996).

Tribble, A. C., *The Space Environment: Implications for Spacecraft Design*, (Princeton, NJ: Princeton University Press, 1995).

Chapters of Books

Tribble, A. C., "Energetic Particles and Technology," in *Heliophysics II - Space Storms and Radiation: Causes and Effects*, Schrijver, C. J., and Siscoe, G. L., (Eds), (Cambridge University Press, 2012).

Tribble, A. C., Hand, K., and Scro, K., "Characterizing Space Weather and its Effects," in *Space Modeling and Simulation*, Rainey, L., (Ed), (Boston, MA: Kluwer Academic Publishers, 2004).

Tribble, A. C., "Effects of the Space Environment," in *Human Space Flight Analysis and Design*, Larson, W., and Pranke, L., (Eds), (Boston, MA: Kluwer Academic Publishers, 1999).

Tribble, A. C., "The Space Environment," in *Spacecraft Mission Analysis and Design*, 3rd Ed., Wertz, J., and Larson, W., (Ed), (Boston, MA: Kluwer Academic Publishers, 1999).

Mendell, W., Plescia, J., and Tribble, A. C., "Surface Environments." in *Human Space Flight Analysis and Design*, Larson, W., and Pranke, L., (Eds), (Boston, MA: Kluwer Academic Publishers, 1999).

Refereed Publications — NASA Contractor Reports

Tribble, A. C., Boyadjian, B., Davis, J., Haffner, J., and Mc Cullough, E., *Contamination Control Engineering Design Guidelines for the Aerospace Community*, NASA CR 4740, (1996).

Tribble, A. C., Lukins, R., Watts, E., Naumov, S. F., and Sergeev, V. K., *Low Earth Orbit Thermal Control Coatings Exposure Flight Tests: A Comparison of U.S. and Russian Results*, NASA CR 4647, (1995).

Refereed Publications — Archive Journals

Farrell, W. M., Tribble, A. C., and Steinberg, J. T., "Similarities in the Plasma Wake of the Moon and Space Shuttle," *J. Spacecraft*, Vol. 39, No. 5, pp. 749 - 754, (2002).

Tribble, A. C., "Revised Estimates of Photochemically Deposited Contamination on the GPS Satellites," *J. Spacecraft*, Vol. 35, No. 1, pp. 114-116, (1998).

Preble, J. C., and Tribble, A. C., "Small Solar Probe," *J. Spacecraft*, Vol. 33, No. 5, pp. 729 - 733, (1996).

Tribble, A. C., Lukins, R., Watts, E., Borisov, V. A., Demidov, S. A., Denisenko, V., A., Gorodetskiy, A. A., Grishin, V. K., Nauma, S. F., Sergeev, V. K., and Sokolova, S. P., "United States and Russian Thermal Control Coating Results in Low Earth Orbit," *J. Spacecraft*, Vol. 33, No. 1, pp. 160 - 166, (1996).

Tribble, A. C., and Haffner, J. W., "Estimates of Photochemically Deposited Contamination on the Navstar GPS Satellites," *J. Spacecraft*, Vol. 28, No. 2, pp. 222-228, (1991).

Tribble, A. C., Pickett, J. S., D'Angelo, N., and Murphy, G. B., "Plasma Density, Temperature, and Turbulence in the Wake of the Shuttle Orbiter," *Planet. Space Sci.*, Vol. 37, No. 8, pp. 1001-1010, (1989).

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Tribble, A. C., D'Angelo, N., Murphy, G., Pickett, J., and Steinberg, J. T., "Exposed High-Voltage Source Effect on the Potential of an Ionospheric Satellite," *J. Spacecraft*, Vol. 25, pp. 64-69, (1988).

Papers in Conference Proceedings

Tribble, A. C., Boyadjian, B., Davis, J., Haffner, J., and Mc Culloch, E., "Contamination Control Engineering Design Guidelines for the Aerospace Community," in *Optical System Contamination V and Stray Light and System Optimization*, Proc. SPIE, Vol. 2864, (1996).

Tribble, A. C., and Underwood, D., "The Evolution of Space Environment Effects Design Requirements and Solutions on the Navstar Global Positioning System Satellites," AIAA 96-0740, 34th Aerospace Sciences Meeting, January, (1996).

Tribble, A. C., "Spacecraft Interactions with the Space Environment," AIAA 95-0838, 33rd Aerospace Sciences Meeting, Reno, NV, January, (1995).

Preble, J. C., and Tribble, A. C., "Small Solar Probe Feasibility Studies," AIAA 95-0619, 33rd Aerospace Sciences Meeting, Reno, NV, January, (1995).

Tribble, A. C., Collier, M., and McKinney, J., "Deceleration System Sizing for Martian Atmospheric Entry," AIAA 94-0037, 32nd Aerospace Sciences Meeting, Reno, NV, January, (1994).

Tribble, A. C., "Low Earth Orbit Plasma Effects on Spacecraft," AIAA 93-0614, 31st Aerospace Sciences Meeting, Reno, NV, January, (1993).

Tribble, A. C., "The Space Environment and its Impact on Spacecraft Design," AIAA 93-0491, 31st Aerospace Sciences Meeting, Reno, NV, January, (1993).

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Tribble, A. C., and Boyadjian, B. V., "Expert System Software for the Aerospace Industry: An Intelligent Tutor for Contamination Control," *PC AI Magazine*, Vol. 11, No. 3, pp. 16 - 18, May/June, (1997).

Tribble, A. C., "Designing for the Space Environment," *Aerospace America*, Vol. 31, No. 5, pp. 26 - 28, May, (1993).