

REFERENCE LIST

- Alexander, J.I.D., J.P. Garandet, J.J. Favier, A. Lizee, Quantitative Experimental Characterization of g-jitter Effects on Directional Solidification, 35th AIAA Aerospace Sciences Meeting, January 1997, Reno, Nevada, AIAA 97-0675.
- Attitude and Pointing Handbook Rev. B, PCN-1, JSC-10511, October 1988.
- Belyaev, Zykov, Ryabukha, Sazonov, Sarychev, Stazhkov. Computer Simulation and Measurement of Microaccelerations On the Mir Orbital Station, Fluid Dynamics 29 (1994).
- Bendat, J.S., A.G. Pierson, Random Data, 2nd edition, John Wiley & Sons, New York, 1986.
- Blanchard, R. C., M.K. Hendrix, J.C. Fox, D.J. Thomas, J.Y. Nicholson, Orbital Acceleration Research Experiment, J. Spacecraft and Rockets 24 (1987) 504.
- Blanchard, R.C., J.Y. Nicholson, J.R. Ritter, K.T. Larman, OARE Flight Maneuvers and Calibration Measurements on STS-58, NASA Technical Memorandum TM-109093, April 1994.
- Blanchard, R.C., J.Y. Nicholson, J.R. Ritter, Preliminary OARE Absolute Acceleration Measurements on STS-50, NASA Technical Memorandum TM-107724, February 1993.
- Blanchard, R.C., J.Y. Nicholson, J.R. Ritter, STS-40 Orbital Acceleration Research Experiment Flight Results During a Typical Sleep Period, NASA Technical Memorandum TM-104209, January 1992.
- Curreri, P.A., D.E. McCauley, Second United States Microgravity Payload: One Year Report, NASA Technical Memorandum TM-4737, April 1996.
- DeLombard, R., Compendium of Information for Interpreting the Microgravity Environment of the Orbiter Spacecraft, NASA Technical Memorandum TM-107032, August 1996.
- DeLombard, R., K. Hrovat, M. Moskowitz, K. McPherson, SAMS Acceleration Measurements on Mir from June to November 1995, NASA Technical Memorandum TM-107312, September 1996.
- DeLombard, R., K. McPherson, K. Hrovat, M. Moskowitz, M.J.B. Rogers, T. Reckart, Microgravity Environment Description Handbook, NASA Technical Memorandum TM-107486, July 1997.
- DeLombard, R., K. McPherson, M. Moskowitz, and K. Hrovat, Comparison Tools for Assessing the Microgravity Environment of Missions, Carriers, and Conditions, NASA Technical Memorandum TM-107446, April 1997.
- DeLombard, R., M.J.B. Rogers, Quick Look Report of Acceleration Measurements on Mir Space Station During Mir-16, NASA Technical Memorandum TM-106835, January 1995.
- Fripp, A.L., W.J. Debnam, W.R. Rosch, R. Narayanan, The Effect of Microgravity Direction on the Growth of PbSnTe, USMP-3 Launch plus One Year Report, February 1997, Washington, DC.
- Hakimzadeh, R., K. Hrovat, K.M. McPherson, M.E. Moskowitz, M.J.B. Rogers, Summary Report of Mission Acceleration Measurements for STS-78, NASA Technical Memorandum TM-107401, January 1997.
- Ifeachor, E.C., B.W. Jervis, Digital Signal Processing—A Practical Approach, Addison-Wesley Publishing Company, Wokingham, England, 1993.
- Karl, J.H., An Introduction to Digital Signal Processing, Academic Press, Inc., San Diego, 1989.
- Microgravity Control Plan, International Space Station Program, Rev. B, Draft, SSP-50036, February 1997.
- Moskowitz, M.E., J.M. Bly, D.H. Matthiesen, Comparison of OARE Accelerometer Data with Dopant Distribution in Se-Doped GaAs Crystals Grown during USML-1, Journal of Crystal Growth, 174 (1997) 108.
- Moskowitz, M.E., K. Hrovat, D. Truong, T. Reckart, SAMS Acceleration Measurements on Mir from March to September 1996, NASA Technical Memorandum TM-107524, August 1997.
- Moskowitz, M.E., K. Hrovat, P. Tschen, K. McPherson, M. Nati, T.A. Reckart, Summary Report of Mission Acceleration Measurements for MSL-1, NASA Technical Memorandum TM-1998-206979, May 1998.

NASA System Specification for the International Space Station, Specification Number SSP 41000E, July 1996.

Oppenheim, A.V., R.W. Schaffer, Digital Signal Processing, Prentice-Hall, Inc. Englewood Cliffs, 1975.

Ramachandran, N., D.O. Frazier, S.L. Lehoczky, C.R. Baugher, Joint Launch + One Year Science Review of USML-1 and USMP-1 with the Microgravity Measurement Group, NASA Conference Publication CP-3272, May 1994.

Rice, J.E., OARE Technical Report #145, OARE STS-62 (USMP-2) Final Report, CSI-9603, July 1994.

Rogers, M.J.B., J.I.D. Alexander, R.S. Snyder, Analysis Techniques for Residual Acceleration Data, NASA Technical Memorandum 103507, July 1990.

Rogers, M.J.B., J.I.D. Alexander, J. Schoess, Detailed Analysis of Honeywell In-space Accelerometer Data—STS-32, Microgravity Science and Technology, VI/1 (1993) 28.

Rogers, M.J.B., R. DeLombard, Summary Report of Mission Acceleration Measurements for STS-62, NASA Technical Memorandum TM-106773, November 1994.

Rogers, M.J.B., R. DeLombard, Summary Report of Mission Acceleration Measurements for STS-60, SPACEHAB-2, NASA Technical Memorandum TM-106797, December 1994.

Rogers, M.J.B., R. DeLombard, Summary Report of Mission Acceleration Measurements for STS-65, NASA Technical Memorandum TM-106871, March 1995.

Rogers, M.J.B., R. DeLombard, Summary Report of Mission Acceleration Measurements for STS-66, NASA Technical Memorandum TM-106914, May 1995.

Rogers, M.J.B., R. DeLombard, Summary Report of Mission Acceleration Measurements for STS-73, NASA Technical Memorandum TM-107269, July 1996.

Rogers, M.J.B., K. Hrovat, K.M. McPherson, M.E. Moskowitz, R. DeLombard, Summary Report of Mission Acceleration Measurements for STS-75, NASA Technical Memorandum TM-107359, November 1996.

Rogers, M.J.B., K. Hrovat, M.E. Moskowitz, Low-gravity Environment of the Mir Space Station, to be published in Advances in Space Research, Proceedings of the 31st COSPAR Scientific Assembly, July 1996, Birmingham, England.

Rogers, M.J.B., M.E. Moskowitz, K. Hrovat, T. Reckart, K.M. McPherson, R. DeLombard, The Microgravity Environment of the Orbiter Columbia as Measured by SAMS and OARE during the STS-75 Mission, USMP-3 Launch plus One Year Report, February 1997, Washington, DC.

Rogers, M.J.B., M.E. Moskowitz, K. Hrovat, T. Reckart, Summary Report of Mission Acceleration Measurements for STS-79, NASA Contractor Report CR-202325, March 1997.

Rogers, M.J.B., K. Hrovat, K. McPherson, M.E. Moskowitz, T. Reckart, Accelerometer Data Analysis and Presentation Techniques, NASA Technical Memorandum TM-113173, September 1997.

Sazonov, Komarov, Polezhaev, Nikitin, Ermakov, Stazhkov, Zykov, Ryaboukha, Acevedo, Liberman. Microaccelerations on Board the Mir Orbital Station and Quick Analysis of the Gravitational Sensitivity of Convective Heat/Mass Transfer Processes, MGMG 16, May 1997.

Snell, E.H., T.J. Boggon, J.R. Helliwell, M.E. Moskowitz, A. Nadarajah, CCD video observation of microgravity crystallization of lysozyme and correlation with accelerometer data, To be published Acta Cryst. D, November 1997.