References

1. P. N. Slater, *Remote Sensing: Optics and Optical Systems*, p 119, Addison–Wesley, Reading, MA, 1980.

2. F. Grum and R. J. Becherer, *Radiometry*, Vol. 1 in *Optical Radiation Measurements* series, F. Grum, Ed., p 115, Academic Press, New York (1979).

3. *Comptes Rendus de la 16^e^ CGPM* (16th Conférence Générale des Poids et Mesures), Resolution 3, 1979. http://www.bipm.org/en/CGPM/db/16/3/.

4. F. E. Nicodemus, Ed., *Self Study Manual on Optical Radiation Measurements, Part I—Concepts*, NBS Technical Note 910-1, pp 99–100, US National Bureau of Standards, Washington, DC, 1976.

Bibliography

Boyd, R. W., *Radiometry and the Detection of Optical Radiation*, John Wiley and Sons, New York (1983).

Budde, W., *Physical Detectors of Optical Radiation*, Optical Radiation Measurements, **v. 4**, Grum, F. and Bartleson, C. J., Eds., Academic Press, New York (1983).

Dereniak, E. L. and Crowe, D. G., *Optical Radiation Detectors*, John Wiley & Sons, New York (1984).

Dereniak, E. L. and Dereniak, T. D., *Geometrical and Trigonometric Optics*, Cambridge University Press, Cambridge, UK (2008).

Greivenkamp, J. E., *Field Guide to Geometrical Optics*, SPIE Press, Bellingham, WA (2004) [doi:10.1117/3.547461].

Holst, G. C., *Common Sense Approach to Thermal Imaging*, JCD Publishing, Winter Park, FL, and SPIE Press, Bellingham, WA (2000).

Howell, J. R., *A Catalog of Radiation Heat Transfer Configuration Factors*. http://www.engr.uky.edu/rtl/Catalog/intro.html.

NIST Physical Measurement Laboratory, *CODATA Internationally Recommended Values of the Fundamental Physical Constants*, 2006. http://physics.nist.gov/cuu/Constants/index.html.

Palmer, J. M. and Grant, B. G., *The Art of Radiometry*, SPIE Press, Bellingham, WA (2009) [doi:10.1117/3.798237].

Refractive Index.Info. http://refractiveindex.info/.

Robertson, A., "R2-35 Uncertainties in Distribution Temperature Determination," *Report to CIE Division 2*, Ottawa, Canada, 2005.

Vincent, J. D., *Fundamentals of Infrared Detector Operation and Testing*, John Wiley & Sons, New York (1990).

Bibliography

Wolfe, W. L. and Zissis, G. J., Eds., *The Infrared Handbook*, US Government, Washington, DC (1978), and SPIE Press, Bellingham, WA (1985).

Wyatt, C. L., *Electro-optical System Design for Information Processing*, McGraw Hill, New York (1991).

Wyatt, C. L., *Radiometric Calibration: Theory and Methods*, Academic, New York (1978).

Index

Index

Index

Index

Index

Barbara G. Grant received her B.A. in mathematics from San Jose State University in 1983, and her M.S. in optical sciences from the University of Arizona in 1989, where her graduate research focused on the absolute radiometric calibration of spaceborne imaging sensors. She was employed in the aerospace and defense industry prior to attending the University of Arizona and afterward, working at companies such as Lockheed Missiles and Space and NASA contractors. She received two NASA Group Achievement Awards for her work on the GOES imager and sounder.

In 1994 Grant began her consultancy, Lines and Lights Technology, which provides consulting and training in diverse applications of electro-optical technology including infrared sensors, UV measurement, and systems engineering/systems analysis. Barbara enjoys teaching and has taught several short courses for SPIE and in other venues. She has been interviewed on technical subjects for print and Internet media, and has appeared on radio and television. In December 2009, she completed *The Art of Radiometry* (SPIE Press) as co-author to the late Jim Palmer, who had mentored her in the subject for many years.