

62. Standard IEC 60891, *Procedures for Temperature and Irradiance Corrections to Measured I-V Characteristics of Crystalline Silicon Photovoltaic Devices*, International Electrotechnical Commission, Geneva, Switzerland.
63. King D, Kratochvil J, Boyson W, Bower W, *Proc. 2nd World Conf. Photovoltaic Solar Energy Conversion*, 1947–1952 (1998).
64. Kasten F, Young A, *Appl. Opt.* **28**, 4735–4738 (1989).
65. Hishikawa Y, Imura Y, Oshiro T, *Proc. 28th IEEE*, 1464–1467 (2000).
66. Emery K *et al.*, *Proc. 18th IEEE Photovoltaic Specialist Conf.*, 623–628 (1985).
67. Emery K, Osterwald C, *Sol. Cells* **27**, 445–453 (1989).
68. Field H, Emery K, *Proc. 23rd IEEE Photovoltaic Specialist Conf.*, 1180–1187 (1993).
69. Shimokawa R *et al.*, *Sol. Cells* **19**, 59–72 (1987).
70. Emery K *et al.*, *SERI Results from the PEP 1987 Summit Round Robin and a Comparison of Photovoltaic Calibration Methods*, NREL Tech. Report TR-213-3472 (March 1989).
71. Myers D, Emery K, Stoffel T, *Sol. Cells* **27**, 455–464 (1989).
72. Standard ASTM E1040, *Standard Specification for Physical Characteristics of Nonconcentrator Terrestrial Photovoltaic Reference Cells*, American Society for Testing and Materials, West Conshocken, PA, USA.
73. Standard IEC 60904-2, *Requirements for Reference Cells*, International Electrotechnical Commission, Geneva, Switzerland.
74. Osterwald C *et al.*, *Proc. 26th IEEE Photovoltaic Specialist Conf.*, 1209–1212 (1997) also *Results of the PEP'93 Intercomparison of Reference Cell Calibrations and Newer Technology Performance Measurements: Final Report*, NREL Tech. Report NREL/TP-520-23477 (March 1998).
75. Osterwald C *et al.*, *Prog. Photovolt.* **7**, 287–297 (1999).
76. Shimokawa R *et al.*, *Jpn. J. Appl. Phys.* **28**, L845–L848 (1989).
77. Metzendorf J, *Appl. Opt.* **26**, 1701–1708 (1987).
78. Bruce S, *Optical Metrology and More*, NIST Tech. Report NISTIR 5429, U.S. Department of Commerce, National Institute of Standards and Technology, Gaithersburg, MD, USA (1994).
79. Allison J, Crab R, *Proc. 12th IEEE Photovoltaic Specialist Conf.*, 554–559 (1976).
80. Metzendorf J *et al.*, *Proc. 21st IEEE Photovoltaic Specialist Conf.*, 952–959 (1990), also *The Results of the PEP '87 Round-Robin Calibration of Reference Cells and Modules – Final Report*, PTB Tech. Report PTB-Opt-31, ISBN 3-89429-06706, Braunschweig, Germany (Nov. 1990).
81. Ossenbrink H, Van Steenwinkel R, Krebs K, *The Results of the 1984/1985 Round-Robin Calibration of Reference Solar Cells for the Summit Working Group on Technology, Growth and Employment*, Tech. Report EUR 10613 EN, Joint Research Center, ISPRA Establishment, ISPRA, Italy (April 1986).
82. Osterwald C, *Sol. Cells* **18**, 269–279 (1986).
83. Osterwald C, Emery K, *J. Atmos. Oceanic Technol.* **17**, 1171–1188 (2000).
84. Romero J, Fox N, Fröhlich C, *Metrologia* **32**, 523–524 (1995/1996).
85. Gomez T, Garcia L, Martinez G, *Proc. 28th IEEE Photovoltaic Specialist Conf.*, 1332–1335, (2000).
86. Osterwald C, Emery K, Myers D, Hart R, *Proc. 21st IEEE Photovoltaic Specialist Conf.*, 1062–1067 (1990).
87. Shimokawa R *et al.*, *Jpn. J. Appl. Phys.* **26**, 86–91 (1987).
88. King D, Hansen B, Jackson J, *Proc. 23rd IEEE Photovoltaic Specialist Conf.*, 1095–1101 (1993).
89. Bücher K *et al.*, *Proc. 23rd IEEE Photovoltaic Specialist Conf.*, 1188–1193 (1993).
90. Anspaugh B, Downing R, Sidwell L, *Solar Cell Calibration Facility Validation of Balloon Flight Data: a Comparison of Shuttle and Balloon Flight Results*, JPL Tech. Report 85-78, Jet Propulsion Laboratory, Pasadena, CA, USA (1985).
91. Anspaugh B, *Proc. 19th IEEE Photovoltaic Specialist Conf.*, 542–547 (1987).