Publications

"Basic Assumptions And Black Holes", Sanford Aranoff, *Physics Essays* (a journal published through the American Institute of Physics), **22**, 4, December (2009).

"How is a Teacher of the Gifted Supposed to Teach?", S. Aranoff, *Gifted Education Press Quarterly*, Fall, (2009).

"To Educate the Gifted, We Need to Stress Basic Principles", S. Aranoff, *Gifted Education Press Quarterly*, Winter, (2009).

"What Young Teachers of the Gifted Need to Know and Do", S. Aranoff, *Gifted Education Press Quarterly*, Winter, (2008).

Teaching and Helping Students Think and Do Better, S. Aranoff (2007), amazon.com, ISBN 978-1-4196-7435-8.

RAFAEL Internal Document 87/88/757, S. Aranoff (1987). *The title is secret.*

"The Kalman Filter", *Internal Grumman Memorandum*, 329-RTS-PTR-86-052, Sanford Aranoff, 21 pages (1986).

SuperBET: Design Document: Grumman Aircraft Systems Division, by P. T. Richards, C. C. Genet, M. L. Russo, and S. Aranoff, ADR20-05-86.1, *proprietary*, (1986).

"Independent Research and Development Data Sheet", project number 7412-0322, project title, "Advanced Flight Test Technology," *proprietary*, (1986).

"TARGETS - A Simulation of Trajectories of Weaving Sea-Skimming Missiles," S. Aranoff, *RAFAEL Internal Document* 31/0920/85. Vol 1, 89 pages, vol 2 (program listing), 50 pages (1985).

"DIFUSER - A Program to Calculate Transmission Through a Set of Plates Containing a Diffuser," S. Aranoff ,*RAFAEL Internal Document* 26/0920/85, 21 pages (1985).

"ZCHECK - Design Rule Checking of Printed Circuit Boards," S. Aranoff 1984 CASA-SME *International Conference on the "Factory of the Future,"* Tel Aviv, Israel, pp. 82-88 (1984). *Participated as a member of the organizing committee.*

"GERBNOV: A Program to Convert Files for the GERBER format to the CARD2 Format," S. Aranoff, *RAFAEL Internal Document* 84/0920/41, 86 pages (1984).

"ZARTS - Routing of Printed Circuit Boards," S. Aranoff and Y. Abulaffio, ACM IEEE *Proceedings of the 18th Design Automation Conference*, Nashville, TN, pp. 130-136 (1980).

"Instruction Manual for ZARTS - A User's Manual," S. Aranoff, *RAFAEL Internal Document* MHM/9/339. 60 pages (1979).

"Computerized Design of Printed Circuits for Production," Y. Abulaffio, S. Aranoff, Y. Hollender, R. Rim, B. Hoch, and Y. Spiegel, *RAFAEL Internal Document* MH/6/313, 23 pages (1979).

"Design Automation of Printed Circuit Boards," Y. Abulaffio, S. Aranoff, and Y. Hollender, *Proc. 10th National Convention of* IEEE *in Israel,* pp. 82-83, Tel Aviv (1977).

"Instruction Manual for ZARTS - A General Purpose Router for Printed Circuits, Provisional Report," S. Aranoff, *RAFAEL Internal Document* MHM/6/228, 20 pages (1975).

"More on the Thomas Precession in Special Relativity," Sanford Aranoff, *Lettere at Nuovo,* **9,** 603-606 (1974).

"More on the Right-Angled Lever at Equilibrium in Special Relativity", S. Aranoff, *American Journal of Physics,* **41,** 1108 (1973).

"Few-Phonon Structure Functions for Liquid Helium II," Sanford Aranoff, *Journal of Low Temperature Physics,* **12,** 285-307 (1973).

"Equilibrium in Special Relativity," Sanford Aranoff, *IL Nuovo Cimento,* **10B,** 155-171 (1972).

"Few-Body Correlation Functions in Liquid Helium II and Properties of Liquid Helium," Sanford Aranoff, *Israel Statistical Mechanics Meeting,* Weizmann Institute, Rehovot, Israel (1972).

"Equilibrium in Special Relativity," Sanford Aranoff, *Bulletin of the Israel Physical Society,* p. 56 (1971).

"Torques and Angular Momentum on a System at Equilibrium in Special Relativity," Sanford Aranoff, *American Journal of Physics,* **37,** 453-454 (1969).

"Flaws in the Sternglass Thesis," Sanford Aranoff and Edward S. Boylan, *Hudson Institute Discussion Paper,* HI-1248-DP, 14 pages (1969).

"Variational Principles for Expectations," Sanford Aranoff and Jerome K. Percus, *Physical Review,* **166,** 1255-1262 (1968).

"Upper Bounds for Errors of Expectations in the Few-Body Problem," Sanford Aranoff and Jerome K. Percus, *Physical Review,* **162,** 880-883 (1967).
http://prola.aps.org/abstract/PR/v162/i4/p878_1

"Polarized Wave Functions for a Few-Body Nucleus", Sanford Aranoff and Jerome K. Percus, *Nuclear Physics,* **A98,** 263-272 (1967).

"Bounds on Expectation Values from Approximate Eigenstates," Jerome K. Percus and Sanford Aranoff, *Bulletin of the American Physical Society,* **10,** 722 (1965).

"Polarized Wavefunctions for the Few-Body Nucleus," Sanford Aranoff and Jerome K. Percus, *Bulletin of the American Physical Society,* **10,** 487 (1965).

"Variational Principles of the Few-Body Nucleus," Sanford Aranoff, *Ph.D. Thesis,* Courant Institute of Mathematical Sciences, NYO-1480-18, 92 pages (1965).