

[PDF] College Physics Student Solutions Manual & Study Guide Vol 1 (Chap 1-14)

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Description:

About the Author Raymond A. Serway received his doctorate at Illinois Institute of Technology and is Professor Emeritus at James Madison University. In 2011, he was awarded an honorary doctorate degree from his alma mater, Utica College. He received the 1990 Madison Scholar Award at James

Madison University, where he taught for 17 years. Dr. Serway began his teaching career at Clarkson University, where he conducted research and taught from 1967 to 1980. He was the recipient of the Distinguished Teaching Award at Clarkson University in 1977 and the Alumni Achievement Award from Utica College in 1985. As Guest Scientist at the IBM Research Laboratory in Zurich, Switzerland, he worked with K. Alex Müller, 1987 Nobel Prize recipient. Dr. Serway also was a visiting scientist at Argonne National Laboratory, where he collaborated with his mentor and friend, the late Sam Marshall. In addition to PHYSICS FOR SCIENTISTS AND ENGINEERS, Dr. Serway is the coauthor of PRINCIPLES OF PHYSICS, Fifth Edition; COLLEGE PHYSICS, Ninth Edition; ESSENTIALS OF COLLEGE PHYSICS; MODERN PHYSICS, Third Edition; and the high school textbook PHYSICS, published by Holt McDougal. In addition, Dr. Serway has published more than 40 research papers in the field of condensed matter physics and has given more than 60 presentations at professional meetings. Dr. Serway and his wife Elizabeth enjoy traveling, playing golf, fishing, gardening, singing in the church choir, and especially spending quality time with their four children, nine grandchildren, and a recent great-grandson.

Jerry S. Faughn earned his doctorate at the University of Mississippi. He is Professor Emeritus and former Chair of the Department of Physics and Astronomy at Eastern Kentucky University. He is coauthor of a nonmathematical physics text; a physical science text for general education students; and (with Dr. Serway) the high school textbook PHYSICS, published by Holt, Rinehart and Winston. He has taught courses ranging from the lower division to the graduate level, but his primary interest is in students just beginning to learn physics. He has been director of a number of NSF and state grants, many of which were devoted to the improvement of physics education. He believes that there is no greater calling than to be a teacher and an interpreter of physics for others.

Chris Vuille is an associate professor of physics at Embry-Riddle Aeronautical University, Daytona Beach, Florida, the world's premier institution for aviation higher education. He received his doctorate in physics at the University of Florida in 1989. While he has taught courses at all levels, including postgraduate, his primary interest and responsibility has been the delivery of introductory physics. He has received a number of awards for teaching excellence, including the Senior Class Appreciation Award (three times). He conducts research in general relativity, astrophysics, cosmology, and quantum theory and was a participant in the JOVE program, a special three-year NASA grant program during which he studied properties of neutron stars. His work has appeared in a number of scientific journals and in ANALOG SCIENCE FICTION/SCIENCE FACT magazine. In addition to this textbook, he is the coauthor of ESSENTIALS OF COLLEGE PHYSICS. Dr. Vuille enjoys playing tennis, swimming, and playing classical piano; he is a former chess champion of St. Petersburg and Atlanta. His wife, Dianne Kowing, is an optometrist for a local VA clinic. Teen daughter Kira Vuille-Kowing is a meteorology/communications double major at ERAU and a recent graduate of her father's first-year physics course. He has two sons--fifteen-year-old Christopher, a cellist and fisherman, and six-year-old James, an avid reader of Disney comics.

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