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UW Press: Physics Demonstrations

Appeared in Choice on 2006-07-01: Sprott (physics, Univ. of Wisconsin-Madison) has compiled this book of 85 demonstrations performed at the University of Wisconsin-Madison. The demonstrations, all from the standard fields of "non-modern" physics (i.e., no relativistic, nuclear, atomic, molecular, or condensed matter physics), include photos, a list of required materials (with commercial sources), procedures, discussion, possible hazards, and some references.

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This book is a compilation of many of the demonstrations that have been used at the University of Wisconsin - Madison in the teaching of elementary physics over the years as well as a number of demonstrations that I have developed for use in a series of popular lectures, "The Wonders of Physics," aimed at the general public and children in particular.

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Julien Clinton Sprott, "2.25, Firehose Instability", Physics Demonstrations - A Sourcebook for Teachers of Physics, p. 131.

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Instructional Resources ...

Yaakov Kraftmakher, a professor emeritus of physics at Bar-Ilan University in Israel, has written a nearly encyclopedic book containing 88 experiments and demonstrations that he has developed, adapted, or refined for his university. Having published extensively in physics education journals during the past 50 years, he is well qualified for the task.

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