AMERICAN JOURNAL of PHYSICS

CODEN: AJPIAS
ISSN: 0002-9505

Volume 75, No. 4
April 2007

สำนักหอสมุด มหาวิทยาลัยบูรพา
งานบริการวิชาการและวิจัย
20 มิ.ย. 2550

Cover figure: Reconstruction of a three hole mask using correlations from two quasi-thermal light beams traveling along two different paths. The top figure is for a low threshold level and the bottom for a high threshold level. See the article on page 343.

LETTERS TO THE EDITOR

PAPERS

NOTES AND DISCUSSIONS

(Continued)

AAPT Topical Conference
Computational Physics for Upper Level Courses
Davidson College, Davidson, NC
July 27–28, 2007

The purpose of this conference is to indentify problems in which computation helps students understand key physics concepts. Participants are university and college faculty interested in integrating computation into the physics curriculum at their home institutions. Some participants already teach or have taught computational physics to undergraduates, and some are looking for ways to integrate computational physics into their existing physics curriculum.

Participants will contribute and discuss algorithms and curricular material for teaching core subjects such as mechanics, electricity and magnetism, quantum mechanics, and statistical and thermal physics. Participants will prepare and edit their material for posting on an AAPT website such as ComPADRE. Visiting experts will give talks on how computational physics may be used to present key concepts and current research to undergraduates.

Participants are invited to prepare a poster describing how they incorporate computational physics into their teaching, what projects they have assigned to students at different levels, and how computation has enhanced their curriculum. Posters will remain up throughout the conference.

Invited speakers include Amy Bug (Swarthmore College), Norman Chonacky (CISE editor), Francisco Esquembre (University of Murcia, Spain), Robert Swendsen (Carnegie-Mellon University), Steven Gottlieb (Indiana University), Rubin Landau (Oregon State University), Julien C. Sprott (University of Wisconsin), Angela Shiflet (Wofford College), and Eric Warren (Evernham Motorsports).

The organizing committee consists of Wolfgang Christian, Jan Tobochnik, Rubin Landau, and Robert Hilbron.

For further information go to www.opensourcephysics.org/CPC