**PhET Publications (as of August 2009)**

Showing the invisible in computer simulations: effects on student learning and engagement, A. Paulson, W. K. Adams, N. S. Podolefsky, and K. K. Perkins, in preparation.

* Effect of showing magnetic field representation in Faraday’s Electromagnetic Lab.

Factors Promoting Engaged Exploration with Computer Simulations, N. S. Podolefsky, W. K. Adams, K. K. Perkins, and C. E. Wieman, in preparation.

* Wave Interference, features of sims that promote engaged exploration, student interview transcripts.

Measuring the effect of showing the invisible in computer simulations, A. Paulson, W. K. Adams, K. K. Perkins, PERC Proceedings, 2009, submitted.

* Effect of showing magnetic field representation in Faraday’s Electromagnetic Lab.

Student Choices when Using Computer Simulations, N. S. Podolefsky, W. K. Adams and C. E. Wieman, PERC Proceedings, 2009, submitted.

* How students choose and use sims when answering FCI questions.

Computer Simulations to Classrooms: Tools for Change, N. S. Podolefsky, K. K. Perkins, W. K. Adams, PERC Proceedings, 2009, submitted.

* How sims can change student engagement in labs. A sociocultural view.

Developing and Researching PhET simulations for Teaching Quantum Mechanics, S. B. McKagan, K. K. Perkins, M. Dubson, C. Malley, S. Reid, R. LeMaster, and C. E. Wieman, American Journal of Physics, 76, 406 , May 2008.

* Overview of the PhET quantum simulations and their development

[Oersted Medal Lecture 2007: Interactive simulations for teaching physics: What works, what doesn't, and why](http://www.colorado.edu/AcademicAffairs/ScienceEducationProject/documents/Wieman_2007_Oersted_Medal_Lecture.pdf), C.E. Wieman, K.K. Perkins, W.K. Adams, American Journal of Physics, 76, 393 , May 2008.

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* How online interactive simulations can improve education

[PhET: Interactive Simulations for Teaching and Learning Physics](http://scitation.aip.org/vsearch/servlet/VerityServlet?KEY=PHTEAH&CURRENT=NO&ONLINE=YES&smode=strresults&sort=rel&maxdisp=25&threshold=0&pjournals=PHTEAH&pyears=2001%2C2000%2C1999&possible1=perkins&possible1zone=article&SMODE=strsearch&OUTLOG=NO&viewabs=PHTEAH&key=DISPLAY&docID=2&page=1&chapter=0), Katherine Perkins, Wendy Adams, Michael Dubson, Noah Finkelstein, Sam Reid, Carl Wieman, Ron LeMaster, The Physics Teacher, 44(1), 18 , 2006.

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