Abstract Submitted
for the APR10 Meeting of
The American Physical Society

Conceptual Electricity and Magnetism Problem Database (http://physinfo.uark.edu/inventory)[1] JOHN STEWART, University of Arkansas — This poster introduces a new digital resource for teaching and evaluating introductory electricity and magnetism classes: a digital library of highly characterized, multiple-choice, conceptual electricity and magnetism problems. The library contains over 1700 problems that were algorithmically constructed from a collection of introductory sources. Each problem is characterized by the complexity of its solution and by the fundamental intellectual steps found in the solution. Evaluation construction, administration, and analysis tools are provided through the library's website. Problems may be downloaded for use in exams or as clicker questions. Instructors may also design and administer conceptual evaluations online. A student self-testing tool is provided and well as an extensive array of supporting materials. There is no cost associated with using any of the facilities of the site. Site address http://physinfo.uark.edu/inventory.

[1]Supported by NSF - DUE 0535928.

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Date submitted: 12 Oct 2009 Electronic form version 1.4