

Abstract Submitted
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Simulation Based Conceptual Tutorials for Introductory Physics

PAUL WILLIAMS, Austin Community College — The author has been developing a series of simulation based conceptual tutorials for introductory physics. The goal of the tutorials is to present the conceptual development usually done in lecture with a more learner centered approach. To date, tutorials have been developed on kinematics, force, energy, thermal processes, and the electric field. Some sample activities from the tutorials will be shown and some very preliminary data assessing the effectiveness will be presented.

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