

Abstract Submitted
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Student learning of electric circuits in the “SCALE-UP/Studio” environment¹ ANDREW CROUSE, Ithaca College, DAVID SMITH, PAUL VAN KAMPEN, Dublin City University, LUKE KELLER, MATT PRICE, MICHAEL ROGERS, Ithaca College — The Physics Education Research Group at Ithaca College is actively engaged in a multi-year study of student learning in the “SCALE-UP/Studio” environment. This study is being conducted in both general-education astronomy and introductory algebra-based physics courses. Student learning is being probed using written pre- and post- tests as well as interviews and reflection logs. As part of this investigation, a conceptually-focused laboratory-based curriculum on electric circuits developed at Dublin City University was implemented in both the “SCALE-UP/Studio” and lecture environments. Results from these implementations will be discussed and compared to those from Dublin City University.

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