1077-D5-2542 **Dan Gries**, **Barbara Margolius** and **Felipe Martins***, Department of Mathematics, Cleveland State University, Cleveland, OH 44115. *WeBWorK labs? A case study in differential equations.* Preliminary report.

WeBWorK is an online homework system, initially developed at the University of Rochester and currently supported by the MAA and NSF. WeBWorK is traditionally used as a practice and assessment tool. Under our NSF-CCLI grant, DUE-0941388 we have developed a library of Flash applets embedded in WeBWorK homework assignments for entry level university mathematics courses including calculus, pre-calculus and differential equations. This opens the possibility of creating dynamic WeBWorK pages that can be used for instruction, instead of just assessment. In this talk, we will present a case study, where we create a WeBWorK "lab" for exploring parameter dependency in Ordinary Differential Equations. (Received September 22, 2011)