

Abstract Submitted  
for the OSF05 Meeting of  
The American Physical Society

**Using the Open Source Physics library to teach about computer simulations in physics** JAN TOBOCHNIK, Kalamazoo College, HARVEY GOULD, Clark University, WOLFGANG CHRISTIAN, Davidson College — The Open Source Physics (OSP) library provides a flexible and powerful set of Java classes and interfaces for writing computer programs in the context of physics. The third edition of our computer simulation textbook (by H. Gould, J. Tobochnik, and W. Christian) uses the OSP library. I will demonstrate some of the capabilities of the OSP library and how our text can be used to teach students how to learn physics using computer simulations. Partial funding for this work was obtained through NSF grant DUE-0126439.

Jan Tobochnik  
Kalamazoo College

Date submitted: 15 Sep 2005

Electronic form version 1.4