

The Open Source Physics National Science Digital Library Collection

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Over the past dozen years the Open Source Physics (OSP) project has produced some of the most widely used interactive computer-based curricular materials for the teaching of introductory and advanced physics courses. These materials are based on Java applets called Physlets and on new OSP programs and authoring tools. This talk outlines the pedagogical and technical features of our curricular material and our current effort to distribute it via a partnership with the comPADRE National Science Digital Library. We show how the combination of the OSP Easy Java Simulations modeling and authoring tool with comPADRE allows teachers to easily incorporate computer-based modeling into their curriculum by providing an open and extensible solution for the creation and distribution of educational software.

The Open Source Physics collection is available on the comPADRE website at <http://www.compadre.org/osp/>.

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