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Computation in the Classroom: Open Source Physics Resources¹

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There are many resources available to instructors who wish to better integrate computational physics into the undergraduate curriculum, but it is difficult find and sort through these materials. The Open Source Physics Collection on ComPADRE (www.compadre.org/osp/), the digital library for the physics community, is an attempt to provide a coherent and organized collection of computational resources for physics instruction. This talk will provide concrete examples of computational physics resources used in the classroom and will describe effective uses of these materials ranging from ready-to-run simulations to code that students modify themselves. The resources are an outgrowth of the Open Source Physics Project, generously supported by NSF DUE-0442581.

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