Abstract for an Invited Paper for the DFD08 Meeting of The American Physical Society

## Interactive multimedia demonstrations for teaching fluid dynamics<sup>1</sup>

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We present a number of multimedia tools, developed by undergraduates, for teaching concepts from introductory fluid mechanics. Short movies are presented, illustrating concepts such as hydrostatic pressure, the no-slip condition, boundary layers, and surface tension. In addition, we present a number of interactive demonstrations, which allow the user to interact with a simple model of a given concept via a web browser, and compare with experimental data. In collaboration with Mack Pasqual and Lindsey Brown, Princeton University.

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