

Abstract Submitted
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Data Visualization in Physics I: Java applets for interactive demonstration of physics concepts ELIZABETH M. CHERRY, Cornell University, STEVEN J. EVANS, Beth Israel Medical Center, HAROLD M. HASTINGS, Hofstra University, FLAVIO F. FENTON, Cornell University — As computing resources continue to develop toward increased flexibility and power, illustration of scientific concepts has become significantly easier. Java applets in particular form an especially appropriate medium through which simulations and animations can be shared easily across platforms. In this talk, we will show several Java applets that illustrate different concepts in physics, particularly in biophysics, complex systems, and excitable media. Various graphical interfaces will be shown for 0d to 2d systems. In addition, we will demonstrate how to incorporate Java applets into PowerPoint for easy presentation of results in classes and seminars.

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