

1125-97-2367

Frank Wattenberg*, Department of Mathematical Sciences, United States Military Academy, West Point, NY 10996. *Two gadgets – Simulations Using the Language Processing and Cell Phone Cameras.*

The computer language Processing was developed by the visual arts community. It is easy-to-learn and well-suited for high quality, interactive, immersive, three-dimensional simulations. We look at several examples. The gadget that is always with me is my cell phone with its insanely great camera. Analyzing photos taken with such cameras and, especially extracting three-dimensional data, involves a lot of cool mathematics. We look at several examples. (Received September 20, 2016)