

1086-P5-2125

Johann A. Thiel* (johann.thiel@usma.edu). *Painting with light: visualizing mathematical concepts using long-exposure photography*. Preliminary report.

Long-exposure photography is a technique that can be used to capture the movement of light in a single image. In this talk, we look at how to use long-exposure photography to help students understand and visualize various mathematical concepts, including: parametric plots, projectile motion, and dynamical systems. Samples and demonstrations of such activities will be given. (Received September 24, 2012)