

PHYSICS COLLOQUIUM



Roger Key
California State University, Fresno

Principles of the Classroom Demonstration* **(*with illuminating examples)**

Abstract

In the study of science, there is no substitute for experimental observation. Students today have abundant and meaningful access to experimental results and analysis tools in the laboratory. However, due to time and resource constraints, and often safety issues, many interesting or important phenomena cannot be examined in the lab. Properly presented classroom demonstrations bring important experiments alive for the audience, serving the purpose of education, and sparking interest in science among the public. This presentation will discuss safe, effective presentation concerns, and some recent research results around the use of classroom, and public, demonstrations in physics. Bring your smart device (iPhone, iPad, Android, etc.) to participate!

3:00-4:30 p.m., Friday, February 24th in McLane 162