

Abstract Submitted
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Simple Pendulum on a NASA Reduced Gravity Flight GARY GARBER, Tufts CEEO — We experimented with a simple pendulum on a NASA reduced-gravity flight. Your students can measure the period of the pendulum on our flight using accelerometer data from Vernier sensors. We also videotaped the results and image analysis can be used to measure the period. We used both a string pendulum and a rigid rod pendulum. Our data includes results from hyper gravity (2g), Martian gravity, lunar gravity, Earth gravity, and microgravity. Learn how you can access and analyze the data in your classroom.

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