

Abstract Submitted  
for the APR12 Meeting of  
The American Physical Society

**Using the Wii Board to Find Measurements of Falling Objects**

MATTHEW ROWELL, DONNA MULLENAX, JEFFERY SECREST, Armstrong Atlantic State University — The purpose of this study was to test a program that showed the force, at different time intervals, of a chain being dropped onto a Wii board. The study was carried out by dropping a 15 foot chain from various heights onto the center of the Wii board. The task of letting the chain free fall with no outside force was repeated several times. Data taken from the force of the impacts were collected by the program, which was synced via blue tooth to the board. By calculating manually of what the peak force should have been compared to the programs, both forces came out to be relatively close to one another. The outcome proved that the program can be used to determine the force and length of the chain when they are unknown.

Matthew Rowell  
Armstrong Atlantic State University

Date submitted: 06 Jan 2012

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