

Abstract Submitted
for the TSS10 Meeting of
The American Physical Society

Experimental Mathematics for Volumes, Centers of Mass, and Moments of Inertia of Flower Vases NATHAN HOGG¹, TIMOTHY WALL², JOHN WOODIEL³, KEN TAYLOR⁴, Lake Highlands High School in Dallas — Symmetric flower vases and lamp globes are used as objects whose volumes, centers of mass, and moments of inertia are calculated from measured “shape” functions. The effort required for producing the results provides an unusual opportunity for students to extend their mathematical and data processing skills.

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Date submitted: 22 Feb 2010

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