## Abstract Submitted for the OSS14 Meeting of The American Physical Society

Energy: Walking versus running ANDREW MURPHY, Ohio University Zanesville — We studied how much energy is needed to move our body at different speeds and with different strokes. To calculate the energy, we filmed several people moving at various speeds. From the movie we analyze the vertical and horizontal components of the motion. A force platform was used to measure the push of the floor on the person.

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Date submitted: 21 Mar 2014 Electronic form version 1.4