Kinetic Energy as an Alternative to Generate Electric Energy

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The purpose of this investigation is to utilize kinetic energy to generate electrical power. The investigation evaluated if it would be possible for the kinetic energy generated when exercising to be transformed into electrical energy so one can charge a cell phone. The hypothesis is that the kinetic energy generated when exercising can be transformed into electric energy or power by using simple generators. Simple generators or cinematic generators were created to develop this investigation. These generators were located on a sports jacket to collect and measure the energy generated by body movement so it could be transformed into electrical energy successfully. The person used this jacket to run during different periods of time and produced energy while doing so. The kinetic energy was transformed into electric energy and it was measured by a voltmeter. It was observed that time and the person's height were important factors in the generation of this electrical power. More time of exercising generated more electric energy. The taller person also generated more electric energy at each of the same time intervals. When the person is in motion these generators help transform kinetic energy into electrical power. This research is very important because it demonstrated that the kinetic energy created when exercising can be transformed into electric energy. It also validates and supports that kinetic energy is a source of useful and effective energy that can be used as an alternative to generate and produce electrical power. It is concluded that the hypothesis was accepted.

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