

Title : A new scientific discovery

Abstract :Our muscles lift our bodies very effortlessly so,I can lift up my massive 60 kg body with only my weak calf muscles when trying to pick a fruit on a tree.

Author : Yahya A.Sharif

Article :

According to classical mechanics for a force to lift a mass it should be slightly greater than its weight, this example is lifting a body tied with a rope in its center of gravity

My new discovery is that a human body can lift itself by a force far less than its weight , and that by using muscles force to lift the body mass.

This applied to several phenomena : lifting my 60 kg mass when Picking a fruit from a tree with weak calf and foot muscles. moving and walking effortlessly , standing effortlessly , lifting one's body parts effortlessly .

Is not it easy for a an average person of 60 kg ,and who is not bodybuilding , to carry 60 kg rock and run , however it is very easy for a person of body mass 120 kg which is the combination of the the rock and the body to run.

There is no violation of energy conservation law, what I suggested is the muscles force lifting a body is far less than its weight , but the force of the body on the ground is exactly equals to its weight, and the ground exerts force up on the body equals to its weight. So when a person climb a ladder and falls down on generator turbine that doesn't mean there is energy coming from nothing , The explanation of this issue is the biological energy coming from the body equals the energy used to spin the turbine .

In this special case Newtonian equations doesn't apply. The usual calculations for this case will not give true results , however we

could measure the ratio between the force lifting a body and the force lifting an object both body and the object have the same mass.