

Disappearance of Inertia Force Mechanical Resonances and Free Energy Work

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Editorial: What's a strange idea! Is it possible at all?

I am very thankful to that person who derived the formula of mechanical work, i.e. multiplied force by traversed path. Energy is just the extent of momentum mV , integration of which gives $mV^2/2$, i.e. kinetic energy. Two solid bodies, making alternating motion on each other or rotating in opposite directions, can compress air or generate electric energy (compressors, generators).

Faat A. Miftahov and me were the first to make swing cylinders with drifting conrod-free piston inside. The cylinder was made to do alternating motion on microrails, and the piston after coming into antiphase with set of consecutive resonance impacts, compressed air up to 3 atmospheres. Load current decreases from 6 to 0 amperes, i.e. inertia force of the cylinder disappeared: it was balanced with the inertia of the piston. According to vector algebra, two oppositely directed and equal in module force vectors make zero. Actuating motor (it is not shown on the Fig.1) feeds itself as if it works idle. However, there is useful work inside the cylinder: air is compressed in the receiver, and as a result a turbine can be rotated to generate some power.

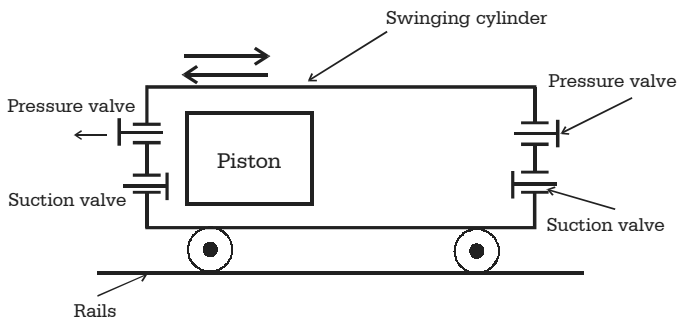


Fig.1

By means of a rheostat I increased the vibration frequency of the cylinder. According to the diagram, $E_{kin} \rightarrow \infty$. Theoretically, there is no contradiction here.

Then physical pendulum was investigated. I diverted a steel sphere with 25mm diameter and a suspension $L=2m$, (derivation from the midpoint was 0,1 meter) and then released it. After 200 oscillations the pendulum began to decrease its amplitude because of frictional force and mass attraction. I clearly saw that **the useful work of the pendulum was much more than my own work spent on diverting of the pendulum from the midpoint**. I.e. I have replaced the formula of

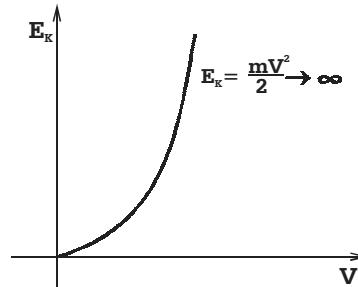


Fig. 2

$E_{kin} + E_{pot} = \text{const}$ by $A = F \cdot S$ and neglected radius of curvature.

Energy conservation law founders such as, Mayer, Joule and Helmholtz proved that one kind of energy changes into another one in equal quantity, however, I can't agree with this statement. In my opinion, free energy work appears in near-Earth space and in vacuum. Equal change of E_{pot} into E_{kin} is always applied. For example, in glycerin or machine oil, the pendulum, which is diverted in a viscid liquid, reverts to the midpoint without crossing it. In this case the 3d Newton's law is valid: act is equal to counteract, but in air the useful work is always more than supplied work. Nevertheless, people have not been able to extract this useful work with maximal degree of efficiency.

As it has been already mentioned, the amplitude goes to infinity in the resonant pendulum. Theoretically, very cheap or even free electric energy can be obtained by using of the equalization of two opposite forces of pendulum.

I hope to make two-rotor generator of alternating current, in which two disks rotate towards each other or oscillate in mechanical resonance.

Thus there is revealed the essence of two discoveries, made by the author in mechanics:

1. Disappearance of inertia force in case, when one body slides inside another one at alternating motion, which is made in longitudinal direction;
2. Free energy or free mechanical work is obtained at physical pendulum oscillations.

The swinging cylinder with drifting conrod-free piston inside was registered by "Sibcopyright" firm in 1996 as a copyright.