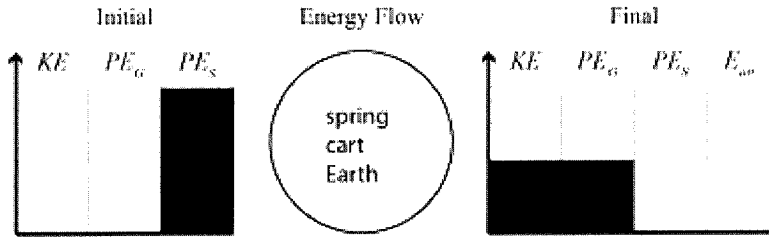
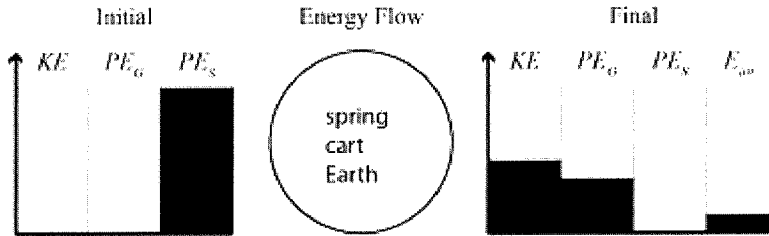


The solutions shown below are only one possible solution. The energies on the Final side need to add up to the energy on the Initial side but the ratio of the energies can be anything. Adding friction will result in some energy becoming internal energy in all except for #5 and #7.

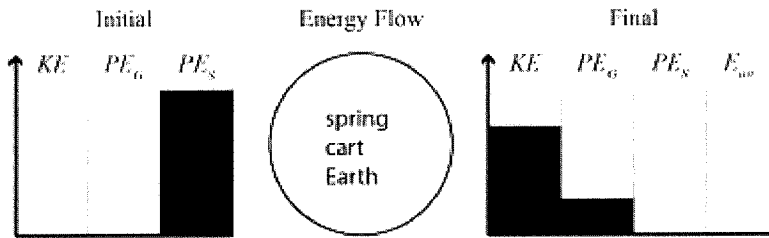
1. without friction



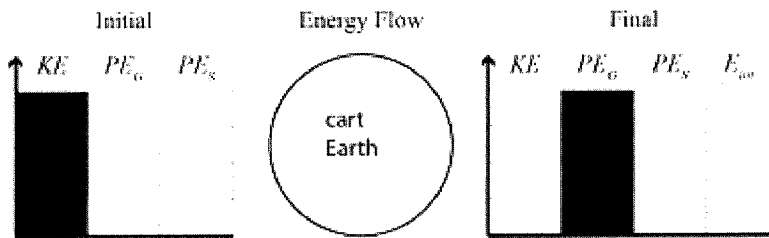
with friction



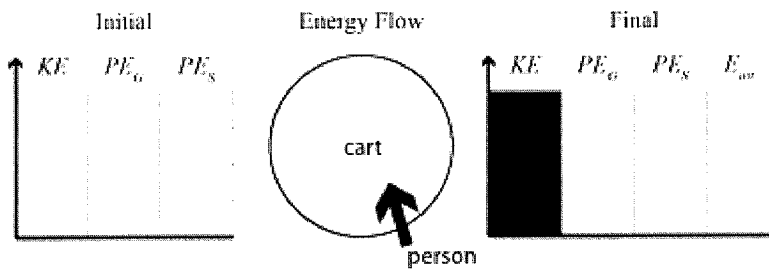
2.



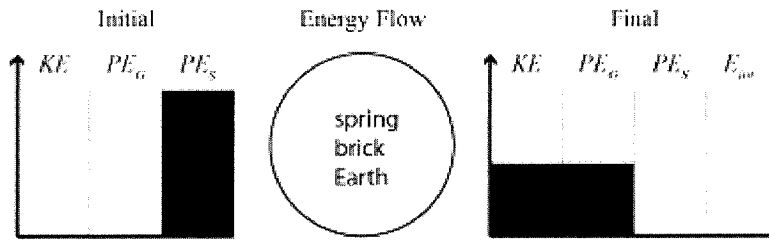
3.



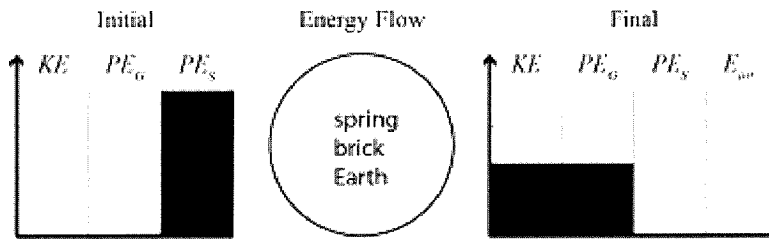
4.



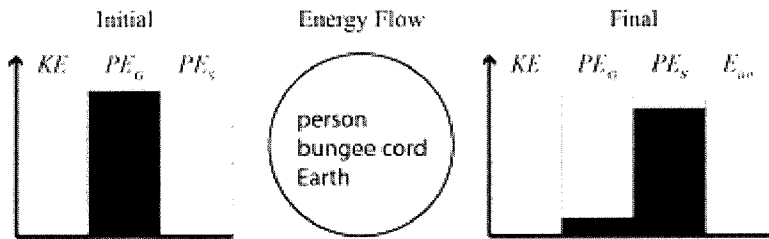
5.



6.



7.



8.

