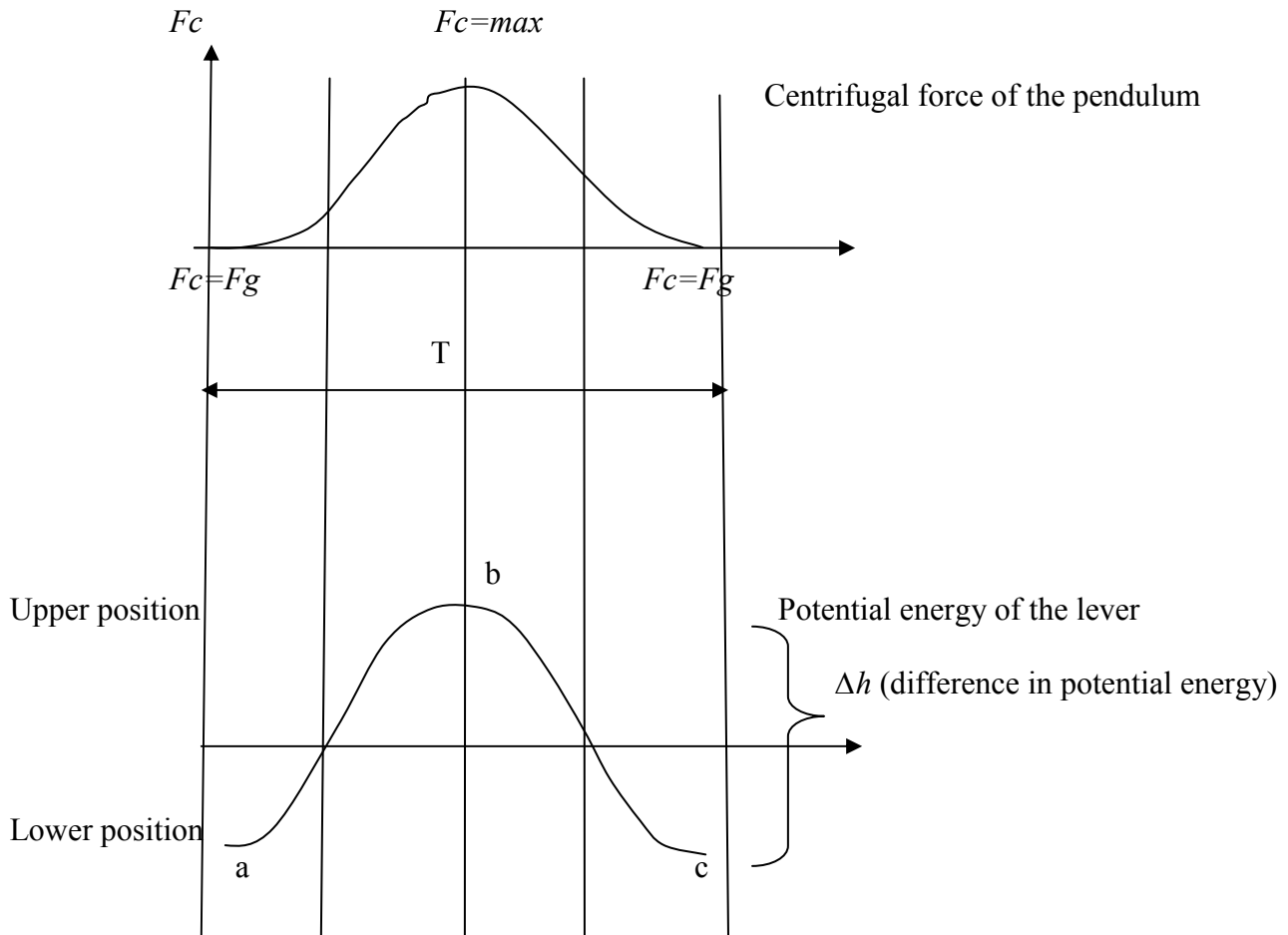


Zlatko Pangarić

*A two-stage oscillator of Veljko Milkovic*  
([www.veljkomilkovic.com](http://www.veljkomilkovic.com))

Observations:

A pendulum hung on a lever oscillates in gravitation field, that is, it falls towards the centre of the Earth so movement of the lever cannot have a reverse influence on the pendulum (or it could be ignored due to small movement of lever's leg with bob). Pendulum oscillation period depends only on the length of pendulum, that is, on altitude, that is,  $g$ . On the graph below I have tried to explain the two stage mechanical oscillator. When the pendulum starts from the upper „dead“ position (position of rest) it pulls the lever's leg with bob from lower (a) into upper (b) position. Lever leg with bob then falls towards the support/earth (c), due to its own weight.



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