Answer on Question #66736-Physics-Other

There is a statue at the top of the tower that is 40.5 M hi the statue is 200 kg and what type and how much energy does the statue have.

Solution

The statue has the potential gravitational energy.

The potential gravitational energy of its center of mass is

$$E = \frac{1}{2}mgh = \frac{1}{2}(200)(10)(40.5\ ) = 40.5\ kJ.$$

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