

Answer on Question #65057-Physics-Other

What could you do to make one of the other masses require more power?

Answer

We can increase the velocity or the acceleration of one of the other masses for increasing.

The formula for power is

$$P = Fv,$$

where F is force and v is velocity.

According the second Newton's law:

$$F = ma.$$

Thus,

$$P = mav$$

$$P \sim a \text{ and } P \sim v.$$

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