

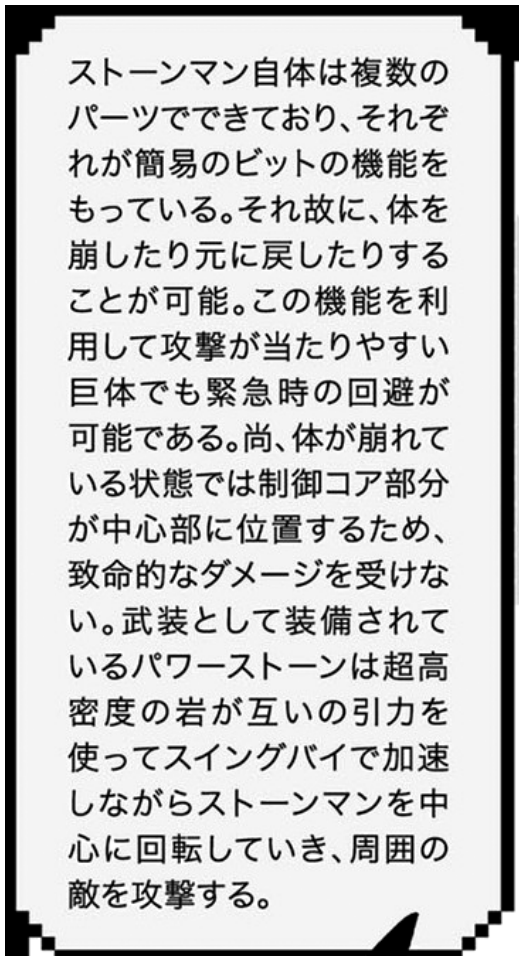
Heya, guys! Mikhail here to give you all another Mega Man calc. And this time, it shall be on his Power Stone! Yeah... About time I gave this a stab.

Here's the description of the Power Stone from [Mega Man 5's website](#):

Rough translation:

'A weapon that uses the gravitational attraction of the power stones on each other to smash the enemy in its orbit in a circular orbit.'

And here... Is the description of it from the Megamix/Gigamix mangas.



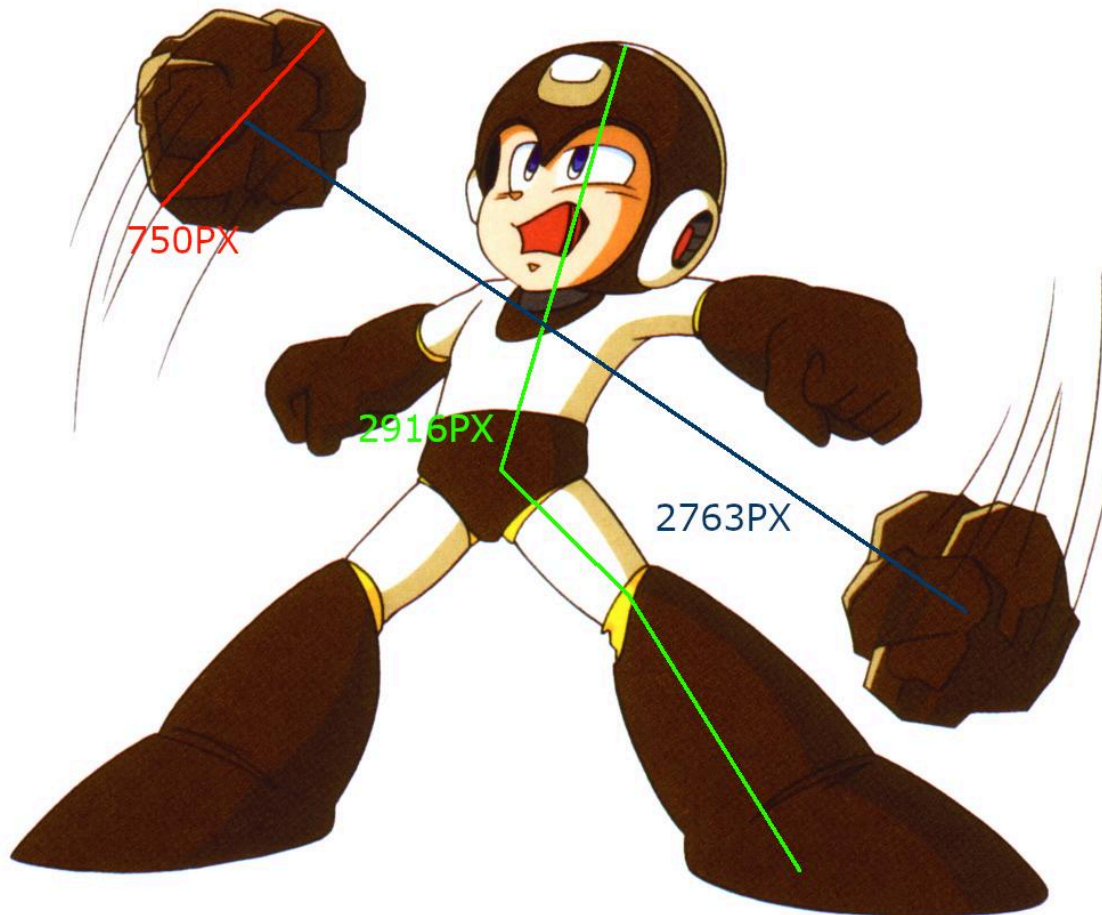
ストーンマン自体は複数のパーツでできており、それぞれが簡易のビットの機能をもっている。それ故に、体を崩したり元に戻したりすることが可能。この機能を利用して攻撃が当たりやすい巨体でも緊急時の回避が可能である。尚、体が崩れている状態では制御コア部分が中心部に位置するため、致命的なダメージを受けない。武装として装備されているパワーストーンは超高密度の岩が互いの引力を使ってスイングバイで加速しながらストーンマンを中心に回転していき、周囲の敵を攻撃する。

Rough translation:

'Stone Man himself is made of multiple parts, each of which functions as a simple bit. Therefore, it is possible to destroy his body and to restore it to its original state. This function allows Stone Man to evade emergency attacks, even if he is a huge body that can be easily hit. In the collapsed state, the control core is located in the center of the body, so it cannot be fatally damaged. The power stone equipped as an armament rotates around Stone Man while accelerating in a swing-by motion using the gravitational pull of ultra-dense rocks to attack surrounding enemies.'

Alright... Note the ultra-dense part. This is key because this reinforces that the pull that is being experienced is gravitational in nature and not magnetic (since it has to do with extremely high mass).

So... Here's how I shall be doing this: I'll be finding the GBE of these stones. Whooo~!



2916px = 1.32 meters

2763px = 1.25 meters

750px = 0.339 meters

I shall now borrow the formula from [here](#) to get the mass of these stones. Solving for m and using the speed my friend got for the Power Stone movement...

$$v = \sqrt{\frac{Gm}{2R}} \rightarrow m = \frac{v^2 * 2 * R}{G}$$

$$m = \frac{13.2^2 * 2 * 1.25}{6.67 \times 10^{-11}} = 6,530,734,632,684 \text{ kg}$$

[GBE Calculator](#): 1.005e16 Joules or 2.401 Megatons of TNT (**Small City level**)