Gravitation

Universal Law of Coronitation



Cuerthaly, in the universe artrack every other hary.
Will as laste exists in the content of the Product of the Product of their mounts a inversely perpethant to the Sexue of the determinant of the Sexue of the determinant

vosal gravitational constant

SJ unit of G

$$G = \underbrace{\left( \begin{array}{c} y & x^2 \\ m_1 & m_2 \end{array} \right)}_{K_1}$$

$$G = \underbrace{\left( \begin{array}{c} y & x^2 \\ K_2^2 \end{array} \right)}_{K_2}$$

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## January of Gravitational Constant

Universal georgia and constant is nonetically equal to the geometrical force of attraction between the budies each of mass this kept of unit distance from each other. Why gravitational constant (G) is Known as Universal gravitational constant?

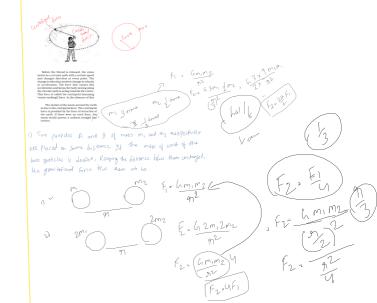
The volue of a decent depend or most of two button.
I make blow two butter, nature, medium, shape / size.

Landin' ms

in when two objects each of try and in appeal







3) The bravitational force blu two objects is F. If masses of both objects are holved who chosyl districe blow them, gravitudional Fooles would become. fi: 4mim2 (  $F_{2}, h(m/2)(m2/2) = h(m, m2) = F_{1}$   $F_{2}, f_{1}$   $F_{2}, f_{3}$ b/w two objects weight 20th u) hravitational force and 15g is 18 150 × 10-10 N2. Fird distance blue two objects

2) mass of sun is 2x103° kg & mass of carth is 6x1024g

If the any distance b/w the sun and the courth is 1.5 x 106 Km,

Calculate the gravitational boxice blow them.