

# Hukum Kegravitian Semesta Newton

## Newton's Law of Universal Gravitation

Hukum ini menyatakan bahawa setiap jirim di dalam alam semesta mengenakan daya tarikan graviti antara satu sama lain berdasarkan rumus berikut:

*This law states that every matter in the universe pulling each other by gravitational force based on the following formula:*

$$F = G \frac{Mm}{r^2}$$

$F$  = daya graviti antara dua jasad  
*gravitational force between two bodies*

$G$  = pemalar kegravitian semesta  
*universal gravitational constant*

$M$  = jisim jasad pertama  
*mass of the first body*

$m$  = jisim jasad kedua  
*mass of the second body*

$r$  = jarak di antara pusat dua jasad tersebut  
*distance between the centres of the two bodies*