

CHAPTER OVERVIEW

54: Gravity

The English physicist Sir Isaac Newton developed his theory of the gravitational force in his famous work *Philosophiæ Naturalis Principia Mathematica*. In modern language and notation, it states that the force F between two point masses m_1 and m_2 separated by a distance r is given by

$$F = -G \frac{m_1 m_2}{r^2} \quad (54.1)$$

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