NEWTON'S LAW OF UNIVERSAL GRAVITATION

$$F = G\,(m_1 m_2) / r^2$$

SYMBOL	DEFINITION	STANDARD UNIT (SI)
F	Gravitational Force	Newtons (N)
G	Gravitational Constant	N·m²/kg²
m_1	Mass of first object	Kilograms (kg)
m_2	Mass of second object	Kilograms (kg)
r	Distance between centers	Meters (m)

Universal Gravitational Constant (G):
6.674×10^{-11} N·m²/kg²