

Scientific Revolution



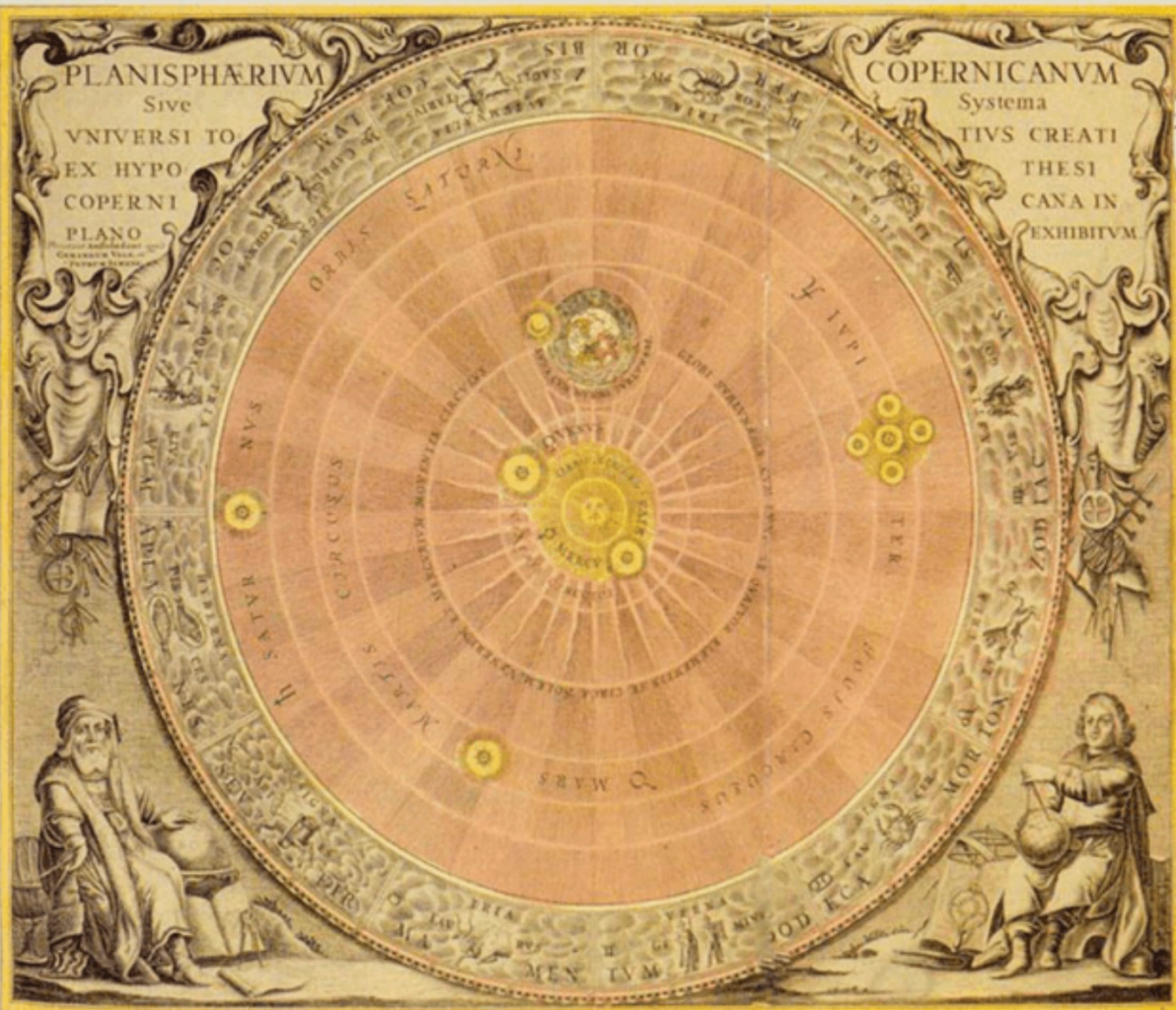
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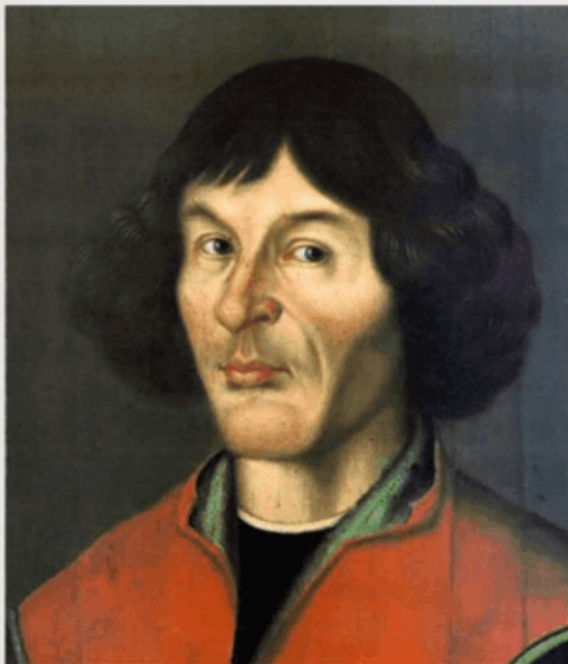
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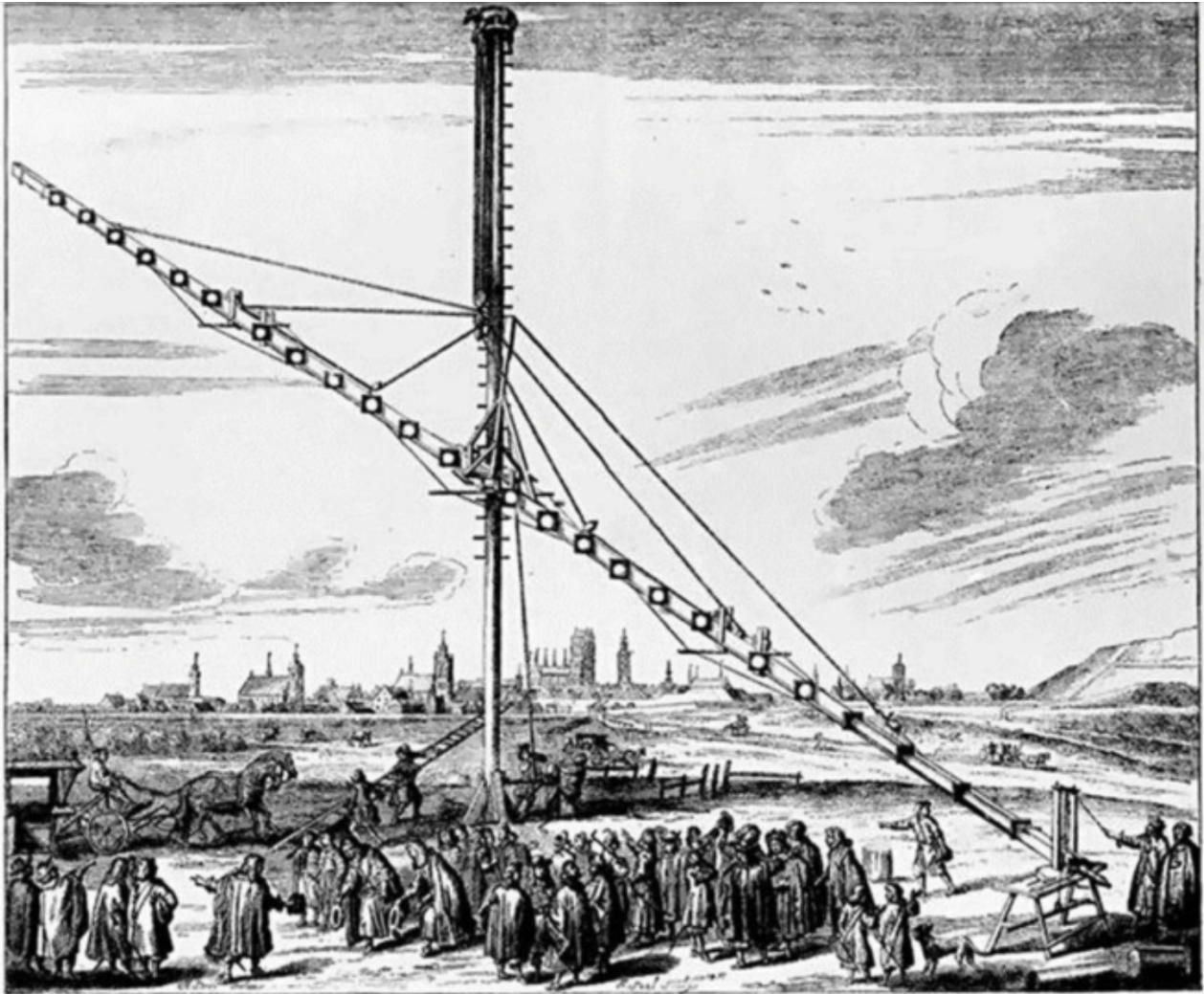
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Nicholas Copernicus



- ✧ Renaissance mathematician and astronomer
- ✧ Wrote "On the Revolutions of the Celestial Spheres"
- ✧ First to formulate a "heliocentric" model of the universe (Earth revolves around the Sun)

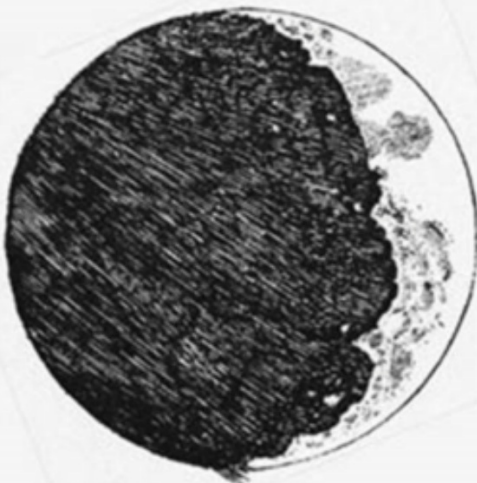


Johannes Kepler



- ☞ German astronomer who formulated the Laws of Planetary Motion
- ☞ Invented an advanced “refracting telescope”
- ☞ Believed that the universe followed mathematical principles that had been designed by God



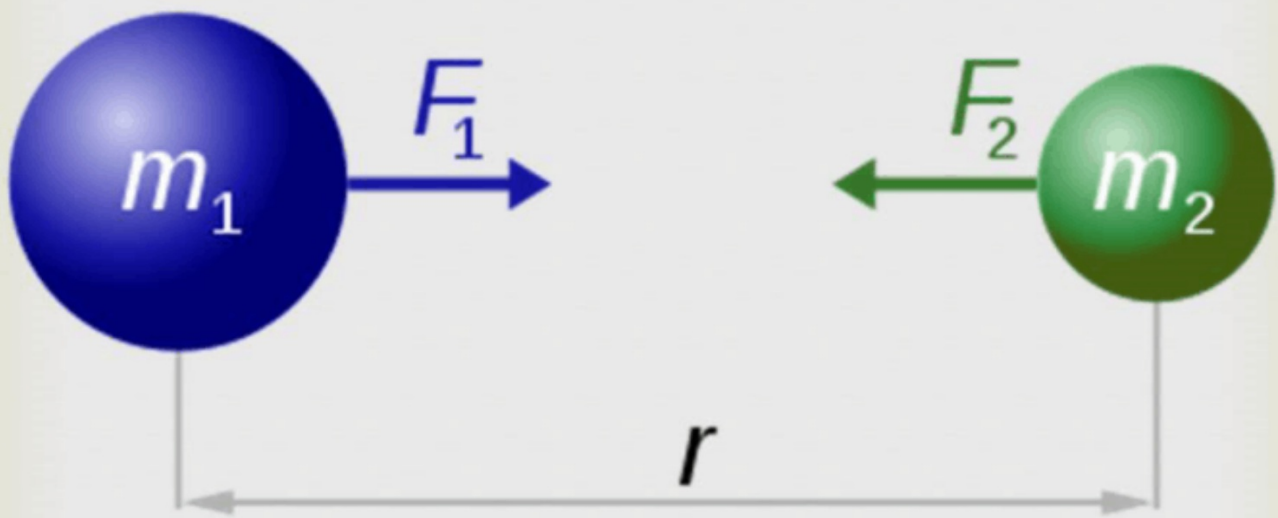


Galileo Galilei



☞ Italian astronomer and physicist whose observations and discoveries supported Copernicus' heliocentric model of the universe

☞ He was convicted of heresy by the church, forced to recant his support, and spent the rest of his life on house arrest



$$F_1 = F_2 = G \frac{m_1 \times m_2}{r^2}$$

Isaac Newton



☞ English physicist and mathematician who wrote “Mathematical Principles of Natural Philosophy”

☞ Formulated:

☞ Laws of Motion (1-3)

☞ Law of Universal Gravitation

