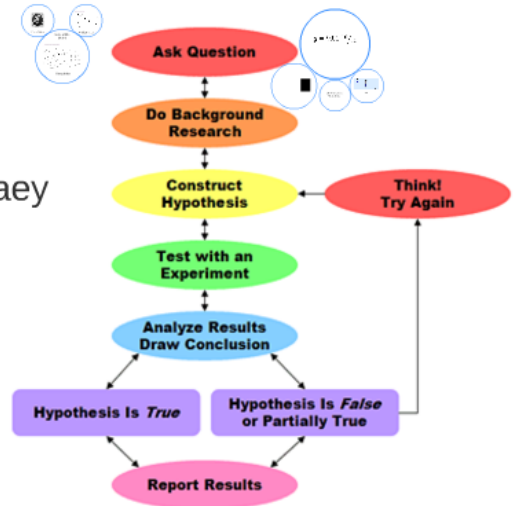




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# Scientific Method

Omar Elrefaey

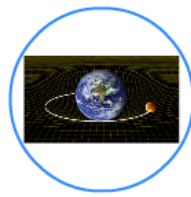


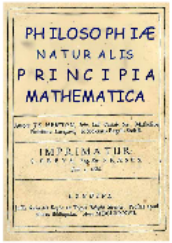
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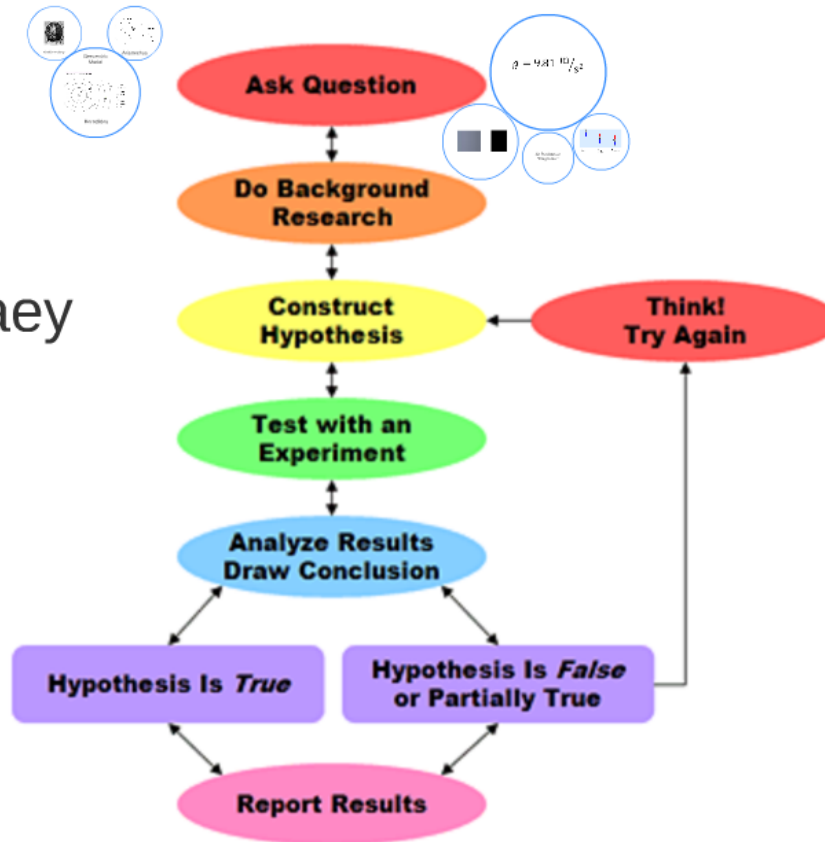
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# Scientific Method

Omar Elrefaey

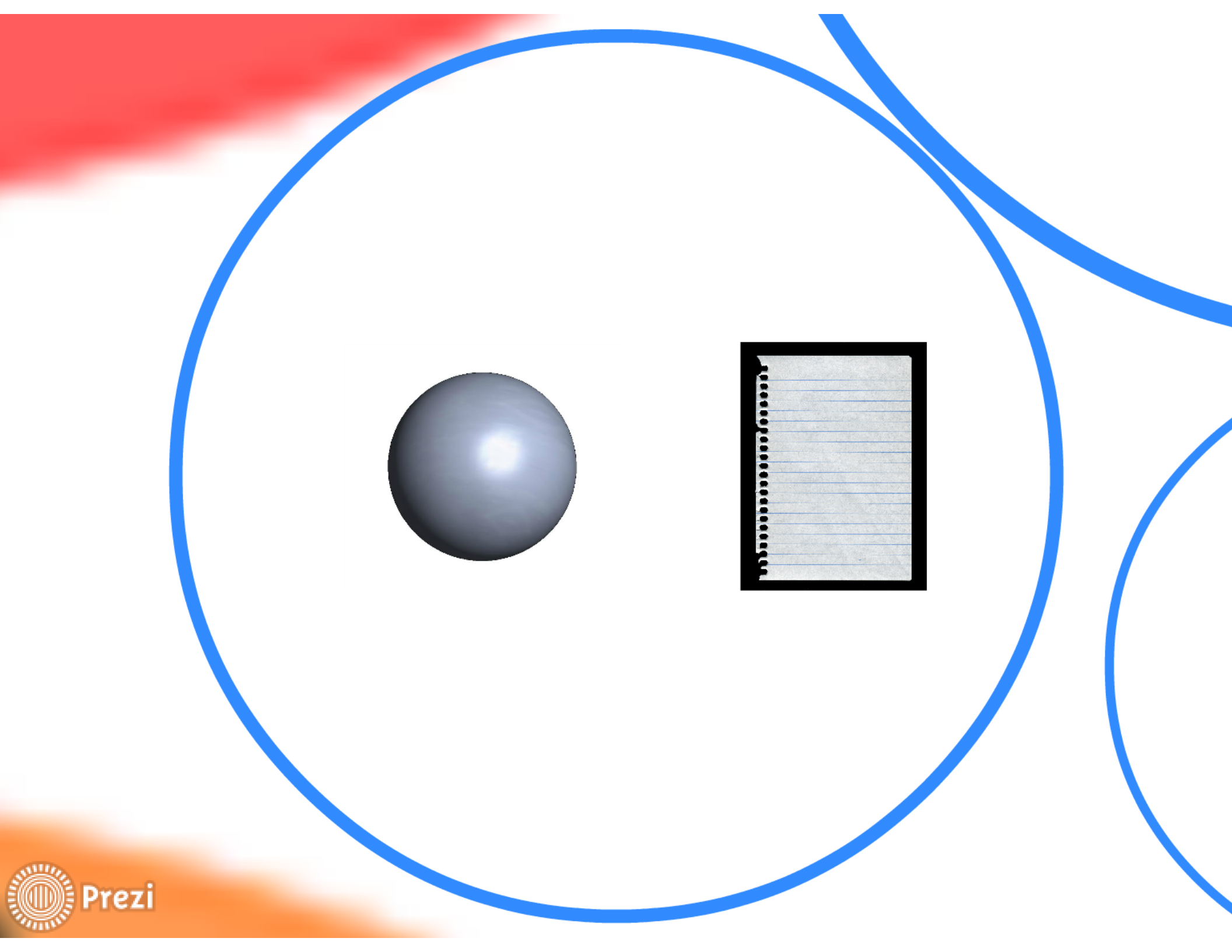


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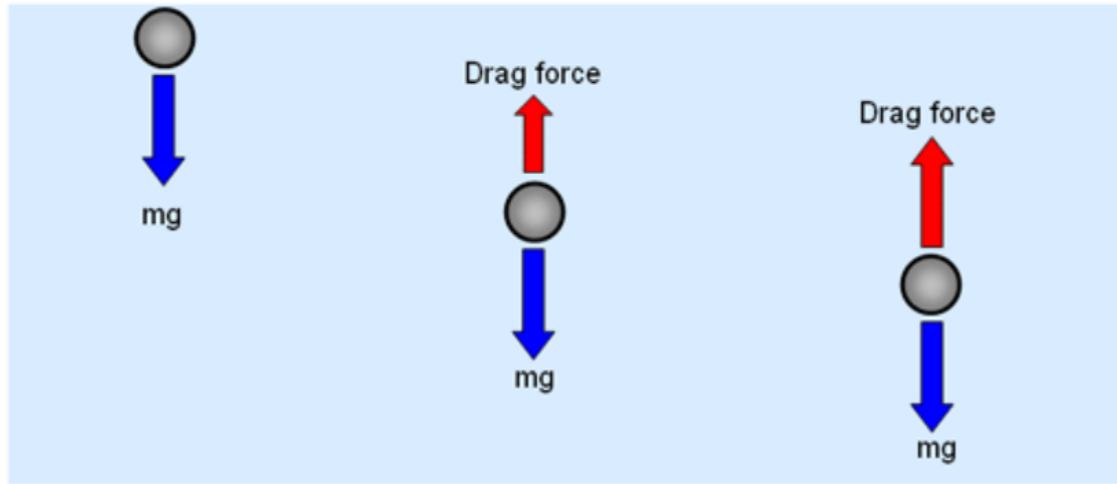
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$$g = 9.81 \text{ m/s}^2$$

# Air Resistance "Drag force "

Body r  
from r



Body released from rest

Forces on body during acceleration

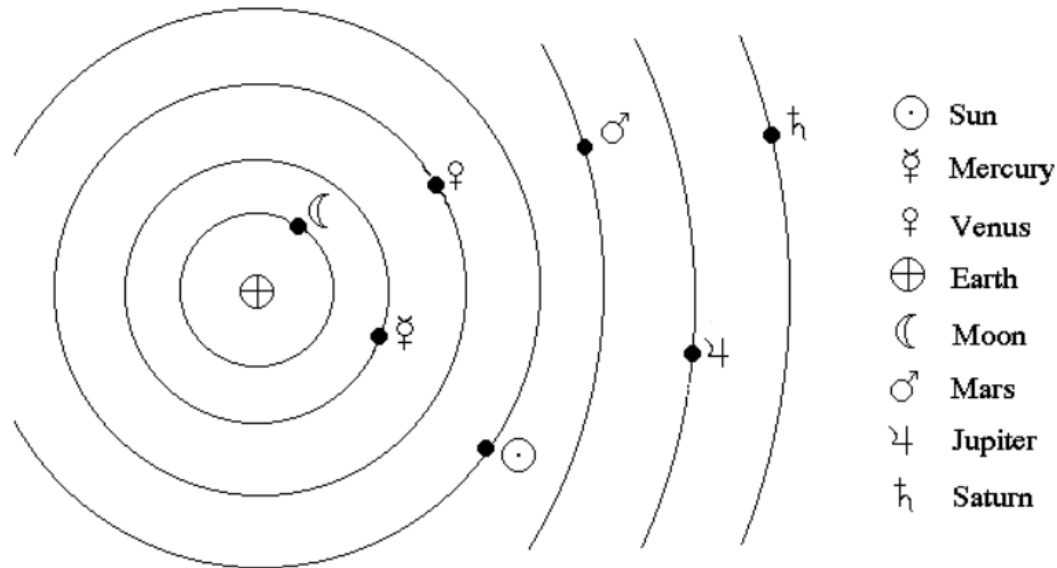
Forces on body at terminal velocity

Claudius Ptolemy

Aristarchus

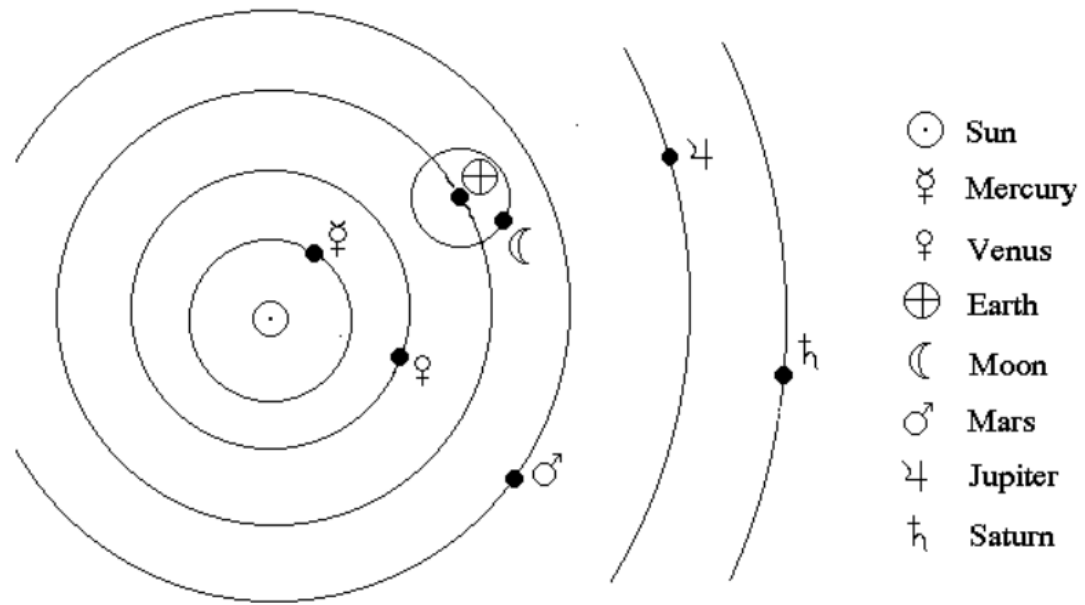
# Geocentric Model

Geocentric Solar System Model



Heraclides

Heliocentric Solar System Model



Aristarchus



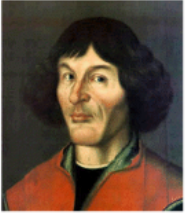


Claudius Ptolemy

Geo

M

Nicolaus Copernicus

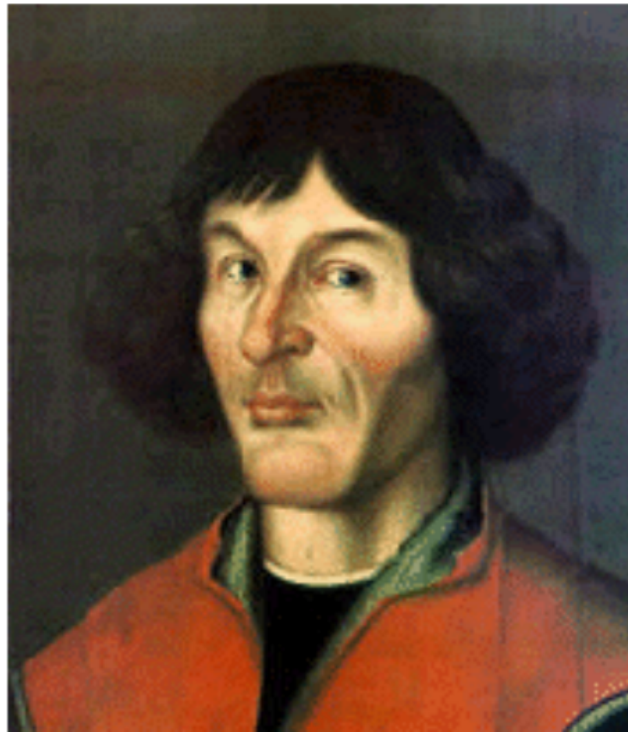


Galileo Galilei

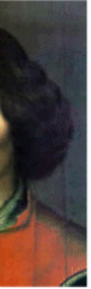


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# Nicolaus Copernicus



pernicus



Galileo Galilei



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# Galileo Galilei



1687

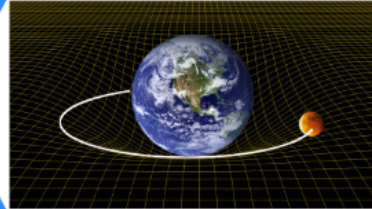
PHILOSOPHIÆ  
NATURALIS  
PRINCIPIA  
MATHEMATICA

Autore *J. S. NEWTON, Trin. Coll. Cantab. Soc. Matheseos  
Professore Lucasiano, & Societatis Regalis Sodali.*

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S. PEPYS, Reg. Soc. PRÆSES.  
*Julii 5. 1686.*

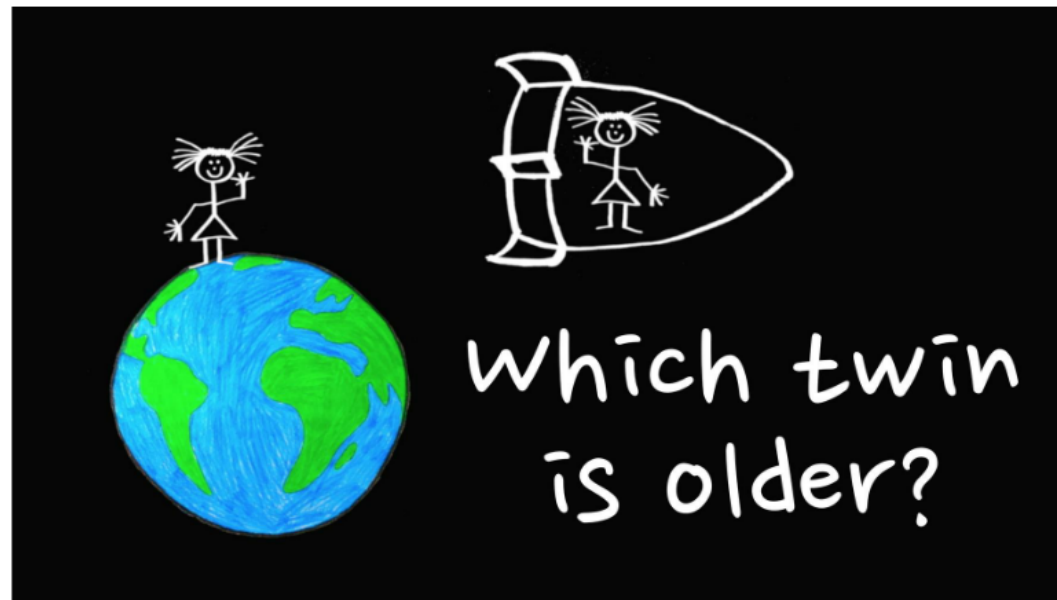
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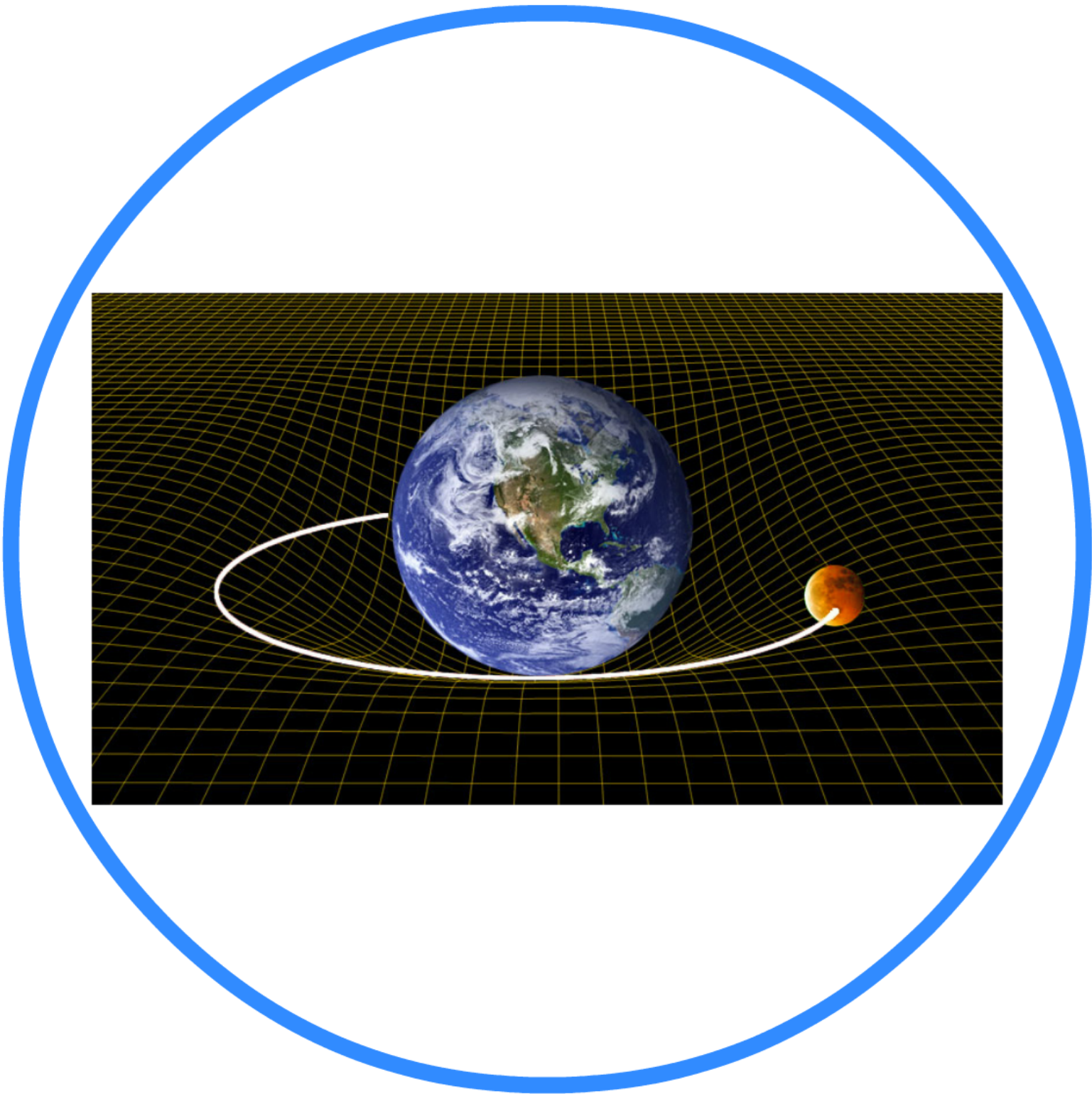
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plures Bibliopolas. Anno MDCLXXXVII.*

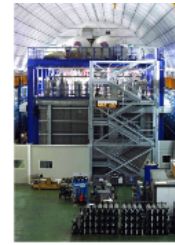
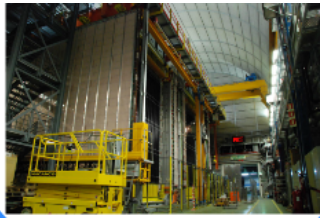








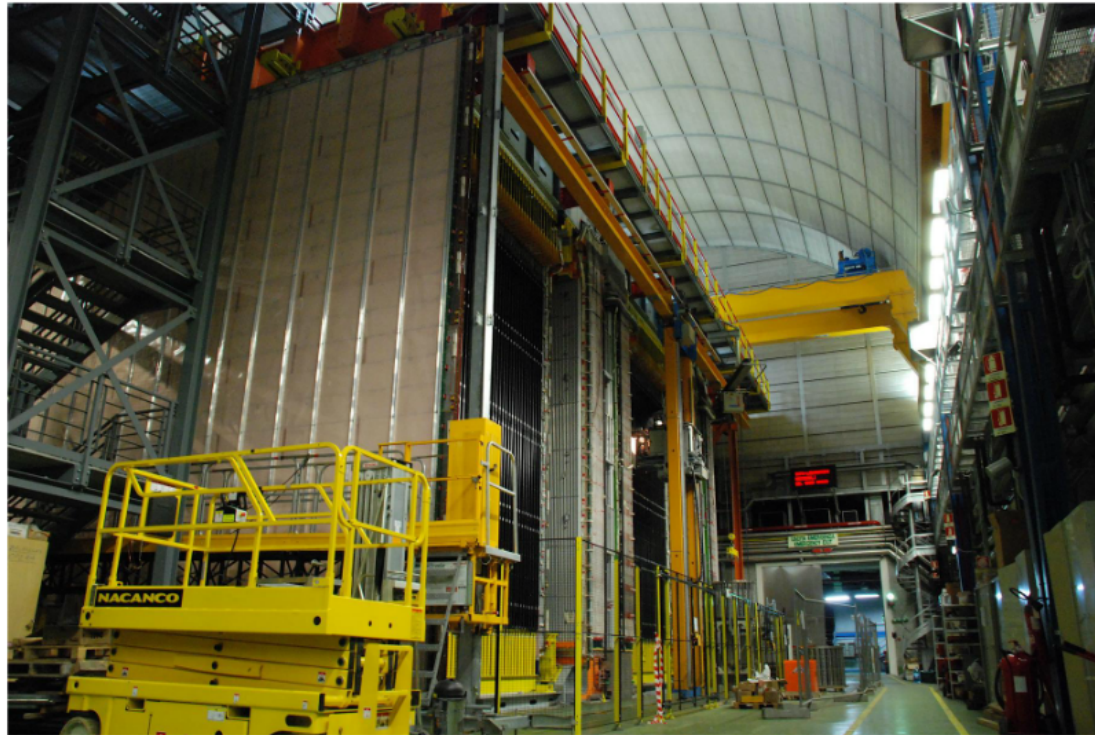




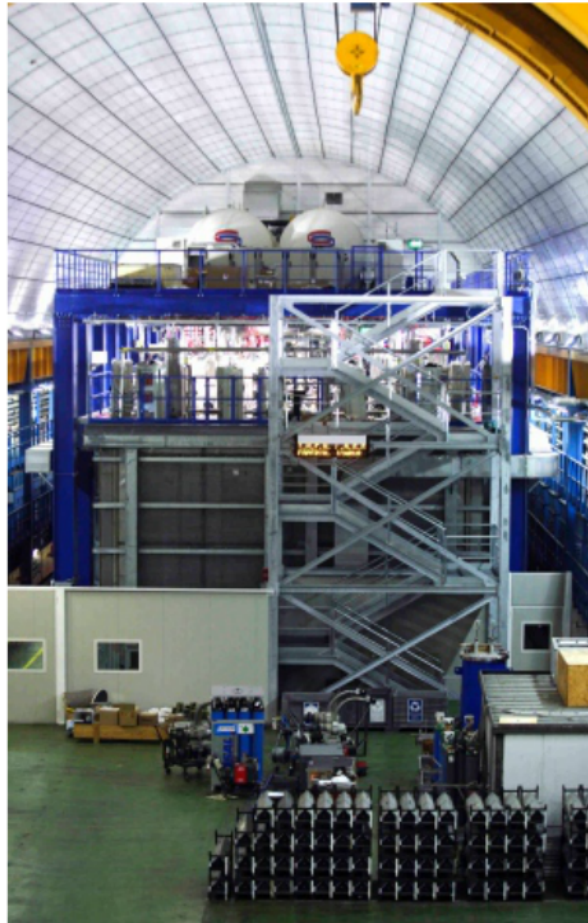
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22 SEPTEMBER 2011

OPERA



**16 MARCH 2012**  
**ICARUS**



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