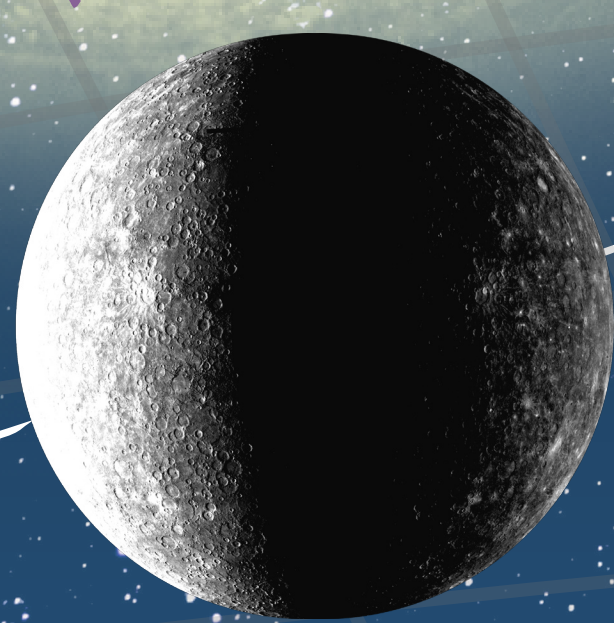


newton's theory of gravity (1687)

$$f = G \frac{m_1 m_2}{r^2}$$

why didn't newton's laws correctly predict Mercury's orbits?



einstein (1907)

A gravitational field has only a relative existence.

For an observer freely falling from the roof of a house, there exists—at least in his immediate surroundings—no gravitational field.



how could gravity travel faster than light?

SPACETIME

THE HISTORY