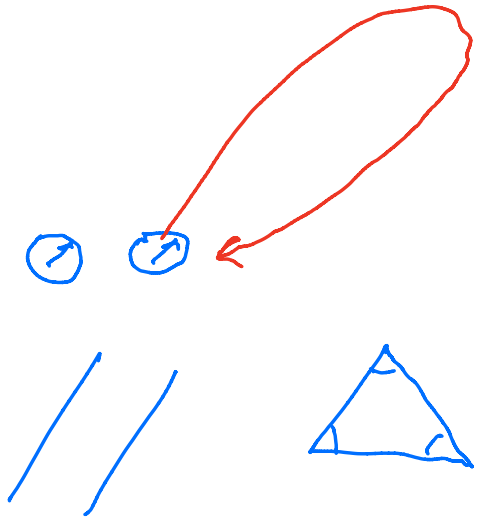
GR = Einstein's gravity

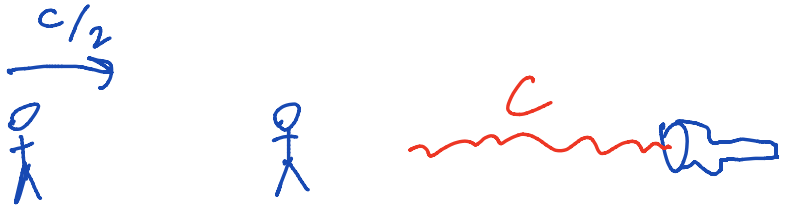
new concepts
new math

~~Absolute time~~

~~Euclidean space~~



Speed of light = c



Speed ~~3c/2~~ ?

Nothing can travel faster than c

~~Newtonian gravity~~



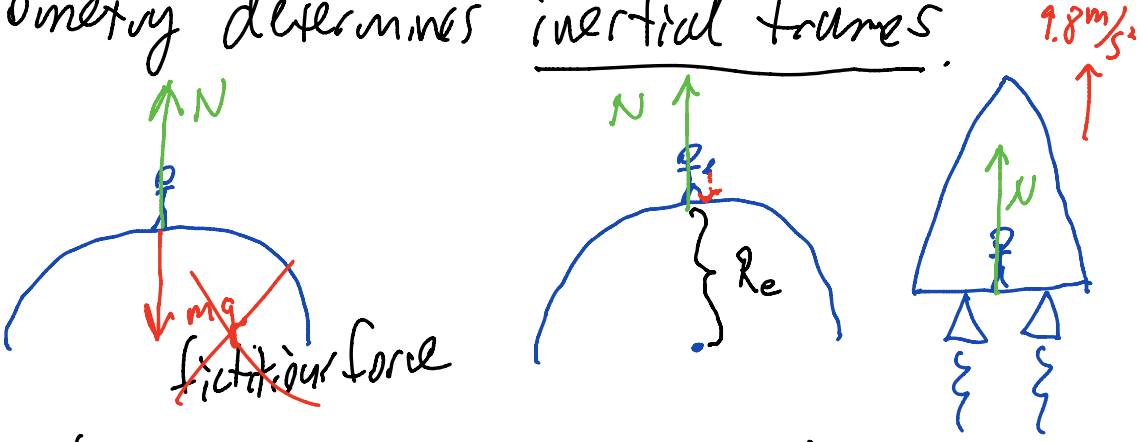
$$F_{2 by 1} = \frac{G m_1 m_2}{r^2}$$

X

GR corrects this ↗

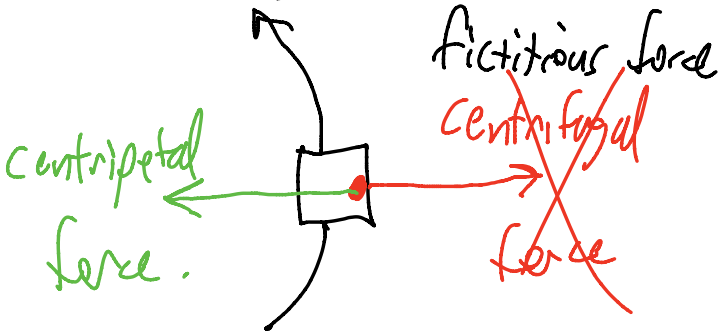
new point of view: gravity = spacetime geometry

Geometry determines inertial frames.



Analogy:

gravity = acceleration



gravitational force = acceleration determined by inertial frames, defined by the spacetime geometry