

..... math!

$$\alpha = \frac{m_2 g r_2 - m_1 g r_1}{I + m_1 r_1^2 + m_2 r_2^2}$$

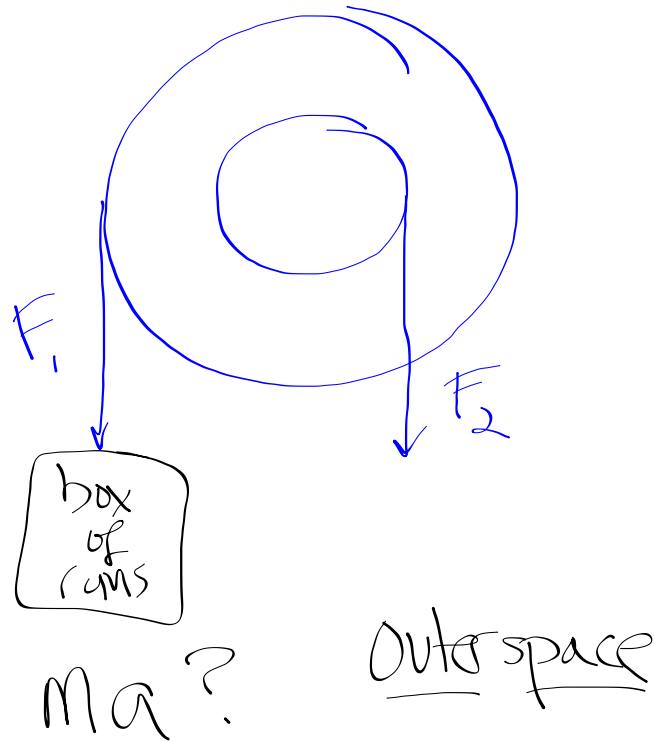
~~Official Atwood Equation (R)~~

only useful:

- ① 2 masses
- ② 2 radii
- ③ Opposite

④ Gravity is doing the work

(this is τ_{joint} / τ_{axle})



Works if:

- two radii
- Forces in opposite directions
- no gravity

As an aside:

