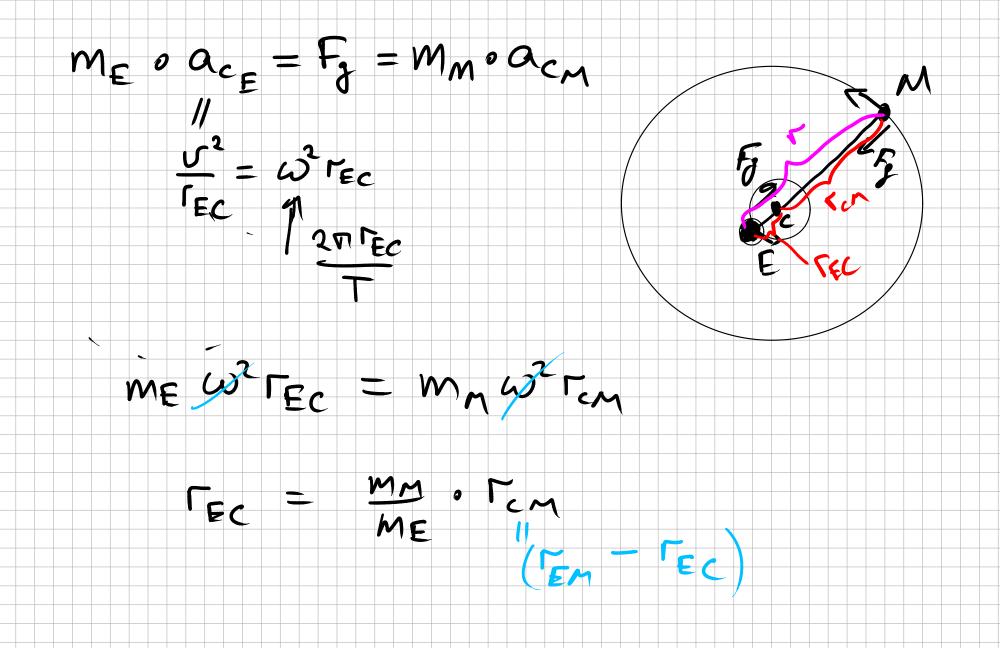
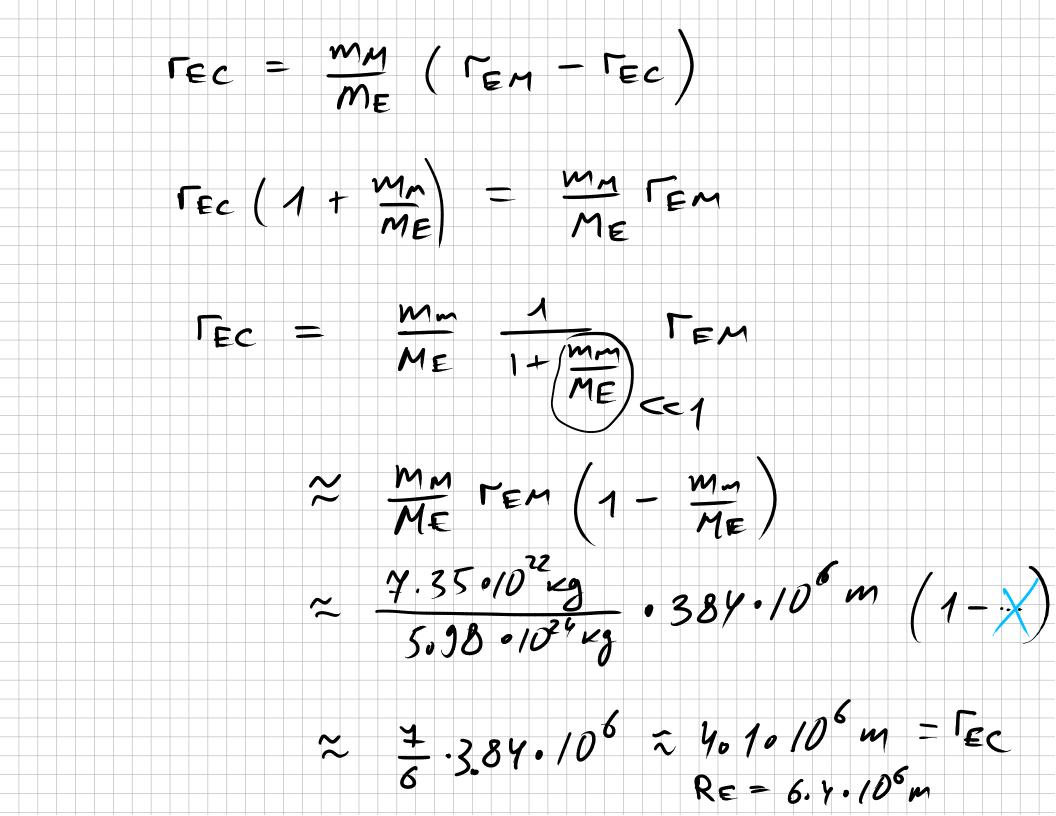


 $V_0 = \sqrt{2gRE}$  $= \sqrt{2010m} \cdot 6.4010^6 m$  $= \overline{J_{2} \cdot 64 \cdot 10^6} = \overline{J_{2} \cdot 8 \cdot 10^3} \frac{m}{5}$ Escape velocity = 12 km/s

Earth - Moon system





Mass of a heavy (compared to a satelete) star or planet. Connection to between period of the orbit (T), distance from the central object (r), and mass of the heavy object (M)

