dropped from rest
$$-F_g + F_d = -ma_y$$
, F_g
 F_g
 A_g
 $A_$

 $\begin{array}{l} v.pyHere is the file Euler Free Fall.py, which contains the functions that implement the Euler method: \\ [style = \\ myPython Style, caption = \\ The contents of the file Euler Free Fall., label = \\ code: \\ Euler Free Fall, frame = \\ single] Code/Kinematics/Euler Free Fall.py \end{array}$

$$\mathop{1000}_{\rho^{\rm D}}$$

$$\vec{F}_{D} = -\frac{1}{2}\rho C_{d}Av^{2} \hat{v}$$

$$(9) C_{d} \widetilde{\partial}_{A} 04$$

$$d$$

 $^{m_1}_{m_2}$

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

r

$$\vec{r}_{12}^{11} = \vec{r}_{12}^{2} - \vec{r}_{11}^{2}$$