

$$\overrightarrow{F_0}$$

$$\overrightarrow{F_1}$$

$$\overrightarrow{F_2}$$

$$\overrightarrow{F_n}$$

$$\|\overrightarrow{F_{2\rightarrow 1}}\|$$

$$\|\overrightarrow{F_{1\rightarrow 2}}\|$$

$$\left\{\begin{array}{l} \|\overrightarrow{F_{2\rightarrow 1}}\| = \frac{Gm_2}{r^2} \\ \|\overrightarrow{F_{1\rightarrow 2}}\| = \frac{Gm_1}{r^2} \end{array}\right.$$

$$t_0+\delta t$$

$$t_0+2\delta t$$

$$\delta t$$

$$\sum \vec{F} = m\vec{a}$$