

Второй
закон
Ньютона

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

$$-F_{эл} = -m a_y$$

$$-a_y = \frac{F_{эл}}{m}$$

$$F_{эл} = eE = e \cdot \frac{1}{2\pi\epsilon_0 r}$$

$$a_g = \frac{F_{zu}}{m} = \frac{Q}{2\pi\epsilon_0\epsilon r_m} = \frac{1 \ln \frac{R_{gr}}{R_{begr}}}{2\pi\epsilon_0\epsilon}$$

$$\frac{e}{r_m \cdot \ln \frac{R_{begr}}{R_{gr}}} = \frac{U \cdot e}{r_m \cdot \ln \frac{R_{begr}}{R_{gr}}}$$

e - z arif summa

OX - navodler

OY - navo geof

$$\Delta v_y = a_y \cdot \Delta t$$

$$\frac{R_{\text{oben}} - R_{\text{unten}}}{2} + R_{\text{unten}}$$

Worpgesetze

$$x = vt$$

$$\sum \Delta y = R \frac{R_{\text{oben}} - R_{\text{unten}}}{2} + R_{\text{unten}}$$

$$+ \frac{a_y \Delta t^2}{2}$$

✓