

(c) 
$$x_0 = 700.10^6 \text{ m}$$
  
 $\lambda = 5.10^6 \text{ Nm}^2 \text{A}^{-2}$   
 $\lambda = 1.52$   
 $\lambda = 9.81 \text{ m}^{-2}$   
 $\lambda = 9.81 \text{ m}^{-2}$ 

$$(\Lambda) \quad \triangle \times_{\Lambda} = \triangle \times_{2}$$

(2) 
$$\Delta x_1 = -\frac{\lambda}{m} \times_{30}^2 \cdot (-2) \frac{1}{x_{n0}^3} \Delta x_1 - \frac{\lambda}{m} \frac{1}{x_{n0}^2} \cdot 2 \times_{30} \Delta x_3$$

$$\Delta x_2 = \frac{2\lambda}{m} \times_{30}^2 \Delta x_1 - \frac{2\lambda}{m} \times_{30}^2 \Delta x_3$$

(3) 
$$\Delta \times_3 = \frac{\times_{30}}{\times_{10}} \Delta \times_2 + \frac{\times_{20}}{\times_{10}} \Delta \times_3 - \frac{\times_{20}\times_{30}}{\times_{10}^2} \Delta \times_1 - \frac{R}{22} \times_{30} \Delta \times_1 - \frac{R}{22} \times_2 - \frac{R}{22} \times_1 - \frac$$

$$\Delta \times_3 = \left( -\frac{\times_{20} \times_{30}}{\times_{h_0}^2} - \frac{R}{2\pi} \times_{30} + \frac{h}{2\pi} \times_{00} \right) \Delta \times_1 + \frac{\times_{30}}{\times_{h_0}} \Delta \times_2 + \left( \frac{\times_{20}}{\times_{h_0}} - \frac{R}{2\pi} \times_{h_0} \right) \Delta \times_3 + \frac{h}{2\pi} \times_{h_0} \Delta \times_2$$

## STACIONARNJE STANJE:

$$x_{10} = 700.10^{-6} \text{ m}$$
  $y_0 = R_{10} \rightarrow y_0 = 0.438 \text{ V}$   
 $x_{10} = x_1 = 0 \text{ m/s}$ 

$$0 = mg - 2 \frac{x_{30}^{2}}{x_{10}^{2}} \rightarrow x_{30} = 0.438 A$$

## LINEARIZIRANI MODEL:

$$Dx_1 = \Delta x_2$$

$$Dx_2 = 2,796.10^4 \Delta x_1 - 44,694 \Delta x_3$$

$$\Delta x_3 = 625,714 \Delta x_2 - 70 \Delta x_3 + 70 \Delta U$$

