

$$S = \Delta x_{\phi} + \Delta x_M \Rightarrow S = v_{\phi} \cdot \Delta t + v_M \cdot \Delta t \Rightarrow \Delta t = \frac{S}{v_{\phi} + v_M}$$

$$\Rightarrow \Delta t = \frac{260,5}{3,333 + 0,947} \Rightarrow \Delta t = 60,9 \text{ sec} \quad \begin{array}{l} \text{ΧΡΟΝΟΣ} \\ \text{ΣΥΝΑΝΤΗΣΗΣ} \end{array}$$

$$\Delta x_M = v_M \cdot \Delta t = 0,947 \cdot 60,9 \Rightarrow \Delta x_M = 57,6 \text{ cm} \quad \begin{array}{l} \text{ΣΗΜΕΙΟ} \\ \text{ΣΥΝΑΝΤΗΣΗΣ} \end{array}$$

