Φυσική Α΄ Λυκείου

ΕΟΜΚ

a= σταθερή $a=\frac{\Delta\upsilon}{\Delta t}$

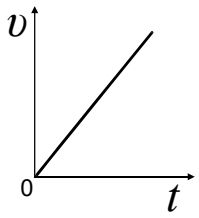
ΕΟΕχΚ

ΕΟΕβΚ

ΕΟΕχΚ
χωρίς αρχική ταχύτητα

$\upsilon_0 = 0$, $a > 0$

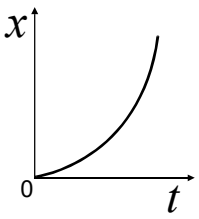
$$\upsilon = at$$



$$\Delta x = \frac{1}{2}at^2$$

$x_0 = 0$

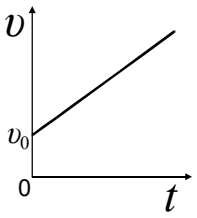
$$x = \frac{1}{2}at^2$$



ΕΟΕχΚ
με αρχική ταχύτητα

$\upsilon_0 \neq 0$, $a > 0$

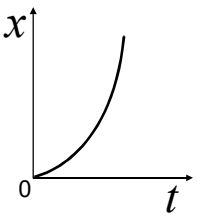
$$\upsilon = \upsilon_0 + at$$



$$\Delta x = \upsilon_0 t + \frac{1}{2}at^2$$

$x_0 = 0$

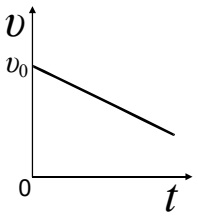
$$x = \upsilon_0 t + \frac{1}{2}at^2$$



ΕΟΕβΚ

$\upsilon_0 \neq 0$, $a < 0$

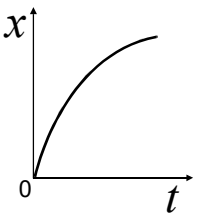
$$\upsilon = \upsilon_0 - at$$



$$\Delta x = \upsilon_0 t - \frac{1}{2}at^2$$

$x_0 = 0$

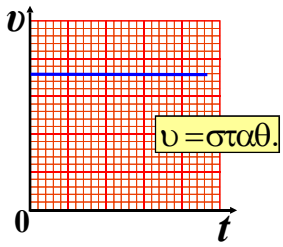
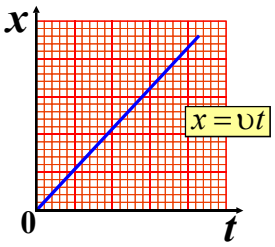
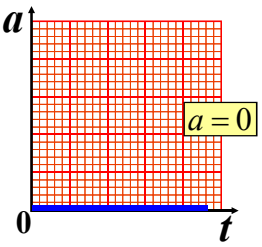
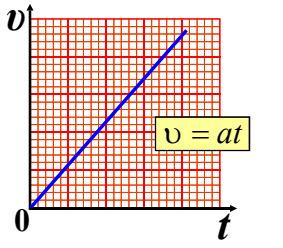
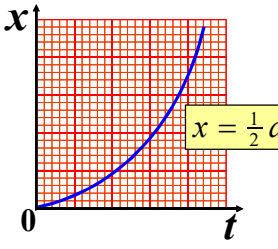
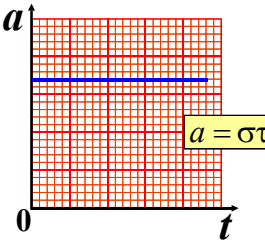
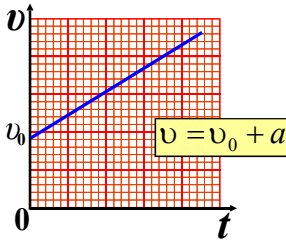
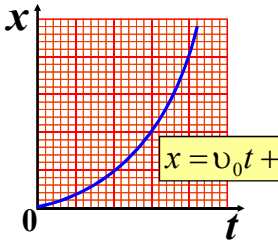
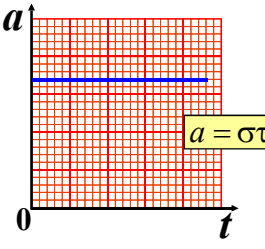
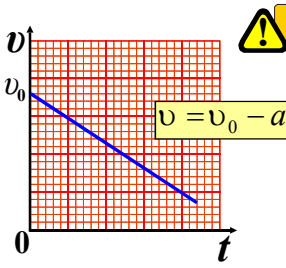
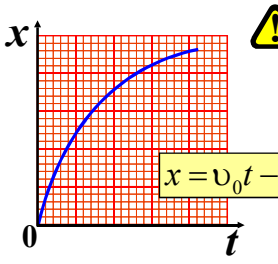
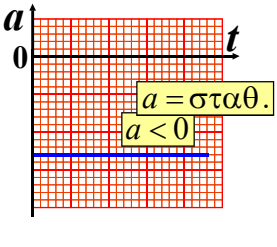
$$x = \upsilon_0 t - \frac{1}{2}at^2$$



$$\Delta x = x - x_0 \xrightarrow{x_0=0} \Delta x = x$$

$$t_{max} = \frac{\upsilon_0}{a}$$

$$\Delta x_{max} = \frac{\upsilon_0^2}{2a}$$

ΔΕΣΙΑ **Ε.Ο.Κ.**	 $\upsilon = \sigma\tau\alpha\theta.$	 $x = \upsilon t$	 $a = 0$
ΔΕΣΙΑ **Ε.Ο.Εχ.Κ.** ΧΩΡΙΣ ΑΡΧ.ΤΑΧΥΤΗΤΑ	 $\upsilon = at$	 $x = \frac{1}{2}at^2$	 $a = \sigma\tau\alpha\theta.$
ΔΕΣΙΑ **Ε.Ο.Εχ.Κ.** ΜΕ ΑΡΧ.ΤΑΧΥΤΗΤΑ	 υ_0 $\upsilon = \upsilon_0 + at$	 $x = \upsilon_0 t + \frac{1}{2}at^2$	 $a = \sigma\tau\alpha\theta.$
ΔΕΣΙΑ **Ε.Ο.Εβ.Κ.**	 υ_0 $\upsilon = \upsilon_0 - at$ $\lvert a\rvert$	 $x = \upsilon_0 t - \frac{1}{2}at^2$ $\lvert a\rvert$	 $a = \sigma\tau\alpha\theta.$ $a < 0$