

# FORMULE - gelina Energija

RAD:

$$W = F \cdot s$$

sila:  $F = \frac{W}{s}$

put:  $s = \frac{W}{F}$

$$F = m \cdot g$$

$$F_{tr} = \mu \cdot G = \mu \cdot m \cdot g$$

SNAGA:

$$P = \frac{W}{t}$$

rad:  $W = P \cdot t$

vrijeme:  $t = \frac{W}{P}$

GUSTOĆA:

$$\rho = \frac{m}{V}$$

masa:  $m = \rho \cdot V$

volumen:  $V = \frac{m}{\rho}$

## GRAVITACIJSKA POTENCIJALNA E:

$$E_{gp} = m \cdot g \cdot h$$

$m = \frac{E_{gp}}{g \cdot h}$   
masa

$h = \frac{E_{gp}}{m \cdot g}$   
visina

## ZAKON OČUVANJA ENERGIJE (ZOE)

$$E_{uk} = E_{gp} + E_k + E_{el}$$

$$E_{gp} = E_{uk} - E_k - E_{el}$$

$$E_k = E_{uk} - E_{gp} - E_{el}$$

$$E_{el} = E_{uk} - E_{gp} - E_k$$