

$$\delta'_L = 0.5 \text{ cm}$$

$$P = \bar{F}_e$$

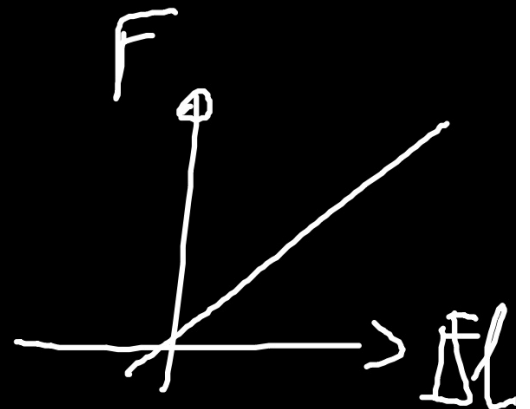
m	L	ΔL
0	17,5 cm	—
50 g	20,0 cm	2,5 cm
100 g	22,5 cm	5 cm
150 g	25,0 cm	$m \propto P \propto T_e$
200 g	27,5 cm	$F_e \propto \Delta L$

$$F_e = P \propto m$$

$$m \propto \Delta L$$

$$F_e \propto \Delta L$$

$$F_e = k \Delta L$$



$$F_e = k \Delta L$$

$\rightarrow m$

k : COST. ELASTICA

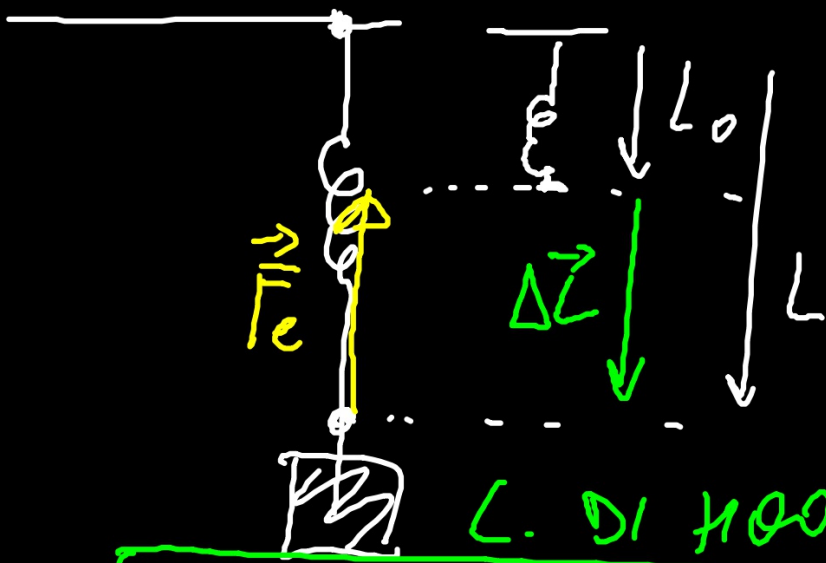
$\rightarrow N$

$$k = N/m$$

$$k = \frac{\bar{F}_e}{\Delta L}$$

$$= \frac{0,05 \text{ kg} \cdot 9,81 \text{ m/s}^2}{0,025 \text{ m}}$$

$$= 19,62 \text{ N/m}$$



L. DI HOOKE

$$\vec{F}_e = -k \Delta \vec{L}$$