

m [g]	δm [g]	$\delta m/m$	Δl (mm)	$\delta(\Delta l)$ (mm)	$\delta(\Delta l)/\Delta l$	Max Pend	min pend
100	2.00	0.02	1.00	0.2	0.20	0.80	1.2
200	2.00	0.01	1.90	0.2	0.11		
300	2.00	0.01	3.00	0.2	0.07		
400	2.00	0.01	4.10	0.2	0.05		
500	2.00	0.00	4.90	0.2	0.04		
600	2.00	0.00	6.30	0.2	0.03		
700	2.00	0.00	7.60	0.2	0.03		
800	2.00	0.00	8.50	0.2	0.02	8.7	8.3

$$\Delta l = g/k \cdot m$$

$$B = g/k$$

migliori stime da valore centrale

incertezze dalle semidisersioni

$$B_{max} = 0.011286 \quad 0.01129 \quad B_{ms} \quad 0.010715 \quad 0.0107 \quad \text{mm/g} = \text{m/kg}$$

$$B_{min} = 0.010143 \quad 0.01014 \quad \delta B = \Delta B/2 \quad 0.000575 \quad 0.0006 \quad \text{mm/g} = \text{m/kg}$$

$$A_{MP} = -0.32857 \quad A_{ms} \quad -0.07143 \quad -0.07 \quad \text{mm}$$

$$A_{mp} = 0.185714 \quad \delta A = \Delta A/2 \quad 0.257143 \quad 0.26 \quad \text{mm}$$

dato $g = 9.81 \text{ m s}^{-2}$

si ha $k = g/B \quad 916.82 \quad \pm \quad 51.41 \text{ N m}^{-1}$

$$k_{mis} = 920 \quad \pm \quad 50 \quad \text{N m}^{-1}$$

$$k_{att} = 920 \quad \text{N m}^{-1}$$

$$|k_{mis} - k_{att}| / \delta k = 0.0 < 1$$

$$k_{att} \text{ appropriato}$$

