

Ciklus 1, Vežba 1:

Određivanje modula elastičnosti žice

1. Tabela 1. Dužina žice:

$L_1 (mm)$	$L_2 (mm)$	$L_3 (mm)$	$L = \sum_i^3 \frac{L_i}{3} (mm)$	$\Delta L (mm)$
812	812	812	x	x

2. Tabela 2. Debljina žice.

$d_1 (mm)$	$d_2 (mm)$	$d_3 (mm)$	$d_4 (mm)$	$d_5 (mm)$	$d = \sum_i^5 \frac{d_i}{3} (mm)$	$\Delta d (mm)$
0.36	0.37	0.37	0.37	0.37	x	x

3. Tabela 3. Istezanje žice.

No	F (N)	$p_1 (mm)$	$p_2 (mm)$	$l = p_2 - p_1 (mm)$	$l = \sum_i^3 \frac{L_i}{3} (mm)$	$\Delta l (mm)$
1	3.30	0	0.22 0.205 0.24	x	x	x
2	5.05	0	0.31 0.34 0.30	x	x	x
3	8.12	0	0.53 0.53 0.48	x	x	x

4	11.42	0	0.70 0.66 0.68	x	x	x
5	13.18	0	0.79 0.76 0.75	x	x	x
6	16.47	0	0.955 0.96 0.95	x	x	x

$$\Delta l \text{ (mm)} = 0,01 \text{ mm}$$

$$\Delta d \text{ (mm)} = 0,01 \text{ mm}$$

$$\Delta L \text{ (mm)} = 1 \text{ mm}$$