

ESCOLA POLITÉCNICA DA UNIVERSIDADE DE SÃO PAULO

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Disciplina: Física Experimental 1

Turma: 61,3

Entrega do gráfico e da tabela da experiência 1 – Queda Livre

- Tabela:

t_n (s)	σ_{t_n} (s)	Δs_n (cm)	$\sigma_{\Delta s_n}$ (cm)	$v_n = \Delta s_n / \Delta t_n$ (cm/s)	σ_{v_n} (cm/s)	$v_n \pm \sigma_{v_n}$ (cm/s)
$t_1 = 1/60$	$2,78 \cdot 10^{-6}$	7,8800	0,112	236,4000	3,3600	234 ± 3
$t_2 = 2/60$	$5,56 \cdot 10^{-6}$	8,4000	0,112	252,0000	3,3600	252 ± 3
$t_5 = 5/60$	$13,9 \cdot 10^{-6}$	10,1000	0,112	303,0000	3,3600	303 ± 3
$t_6 = 6/60$	$16,68 \cdot 10^{-6}$	10,7000	0,112	321,0000	3,3600	321 ± 3
$t_9 = 9/60$	$25,02 \cdot 10^{-6}$	12,1500	0,112	364,5000	3,3600	365 ± 3
$t_{10} = 10/60$	$27,8 \cdot 10^{-6}$	12,7000	0,112	381,0000	3,3600	381 ± 3
$t_{13} = 13/60$	$36,14 \cdot 10^{-6}$	14,4200	0,112	432,6000	3,3600	433 ± 3
$t_{14} = 14/60$	$38,92 \cdot 10^{-6}$	14,9500	0,112	448,5000	3,3600	449 ± 3
$t_{17} = 17/60$	$47,26 \cdot 10^{-6}$	16,6000	0,112	498,0000	3,3600	498 ± 3
$t_{18} = 18/60$	$50,04 \cdot 10^{-6}$	17,1000	0,112	513,0000	3,3600	513 ± 3

- Gráfico:

