**ESCOLA POLITÉCNINCA 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:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| tn (s) | 𝜎𝑡𝑛 (𝑠) | Δsn (cm) | 𝜎∆𝑆𝑛 (𝑐𝑚) | vn= Δsn/Δtn (cm/s) | 𝜎𝑣𝑛 (𝑐𝑚/𝑠) | vn ± σvn (cm/s) |
| t1= 1/60 | 2,78 \*10-6 | 7,8800 | 0,112 | 236,4000 | 3,3600 | 234 ± 3 |
| t2= 2/60 | 5,56\*10-6 | 8,4000 | 0,112 | 252,0000 | 3,3600 | 252 ± 3 |
| t5= 5/60 | 13,9\*10-6 | 10,1000 | 0,112 | 303,0000 | 3,3600 | 303 ± 3 |
| t6= 6/60 | 16,68\*10-6 | 10,7000 | 0,112 | 321,0000 | 3,3600 | 321 ± 3 |
| t9= 9/60 | 25,02\*10-6 | 12,1500 | 0,112 | 364,5000 | 3,3600 | 365 ± 3 |
| t10=10/60 | 27,8\*10-6 | 12,7000 | 0,112 | 381,0000 | 3,3600 | 381 ± 3 |
| t13=13/60 | 36,14\*10-6 | 14,4200 | 0,112 | 432,6000 | 3,3600 | 433 ± 3 |
| t14=14/60 | 38,92\*10-6 | 14,9500 | 0,112 | 448,5000 | 3,3600 | 449 ± 3 |
| t17=17/60 | 47,26\*10-6 | 16,6000 | 0,112 | 498,0000 | 3,3600 | 498 ± 3 |
| t18=18/60 | 50,04\*10-6 | 17,1000 | 0,112 | 513,0000 | 3,3600 | 513 ± 3 |

* Gráfico: