EXPERIENCIA 1

N°	$T_i[s]$	$\bar{T}[s]$	$T_i - \bar{T}$ [s]	$(T_i - \bar{T})^2$	E[s]	$T = (\bar{T} \pm \Delta T)$[s]
1	2,017		-0,0062	3,844E-05	0,00351283	
2	2,022		-0,0012	1,44E-06	e_{ap} [s]	
3	2,028	2,0232	0,0048	2,304E-05	0,01	2,02±0,01
4	2,034		0,0108	0,00011664	ΔT[s]	
5	2,015		-0,0082	6,724E-05	0,01	

Experiencia 1

$$\bar{g} = \frac{4\pi^2 \bar{L}}{(\bar{T})^2} = \frac{4\pi^2 \cdot 1{,}05\ m}{(2{,}02\ s)^2} = 10{,}159\ \frac{m}{s^2}$$

$$\Delta g = \bar{g} \cdot \left(\frac{\Delta L}{\bar{L}} + 2\frac{\Delta T}{\bar{T}} \right) = 10{,}159\ \frac{m}{s^2} \cdot \left(\frac{0{,}01}{1{,}05} + 2\,\frac{0{,}01}{2{,}02} \right) = 0{,}197$$

$$g = \bar{g} \pm \Delta g = (10{,}2 \pm 0{,}2)\ \frac{m}{s^2}$$

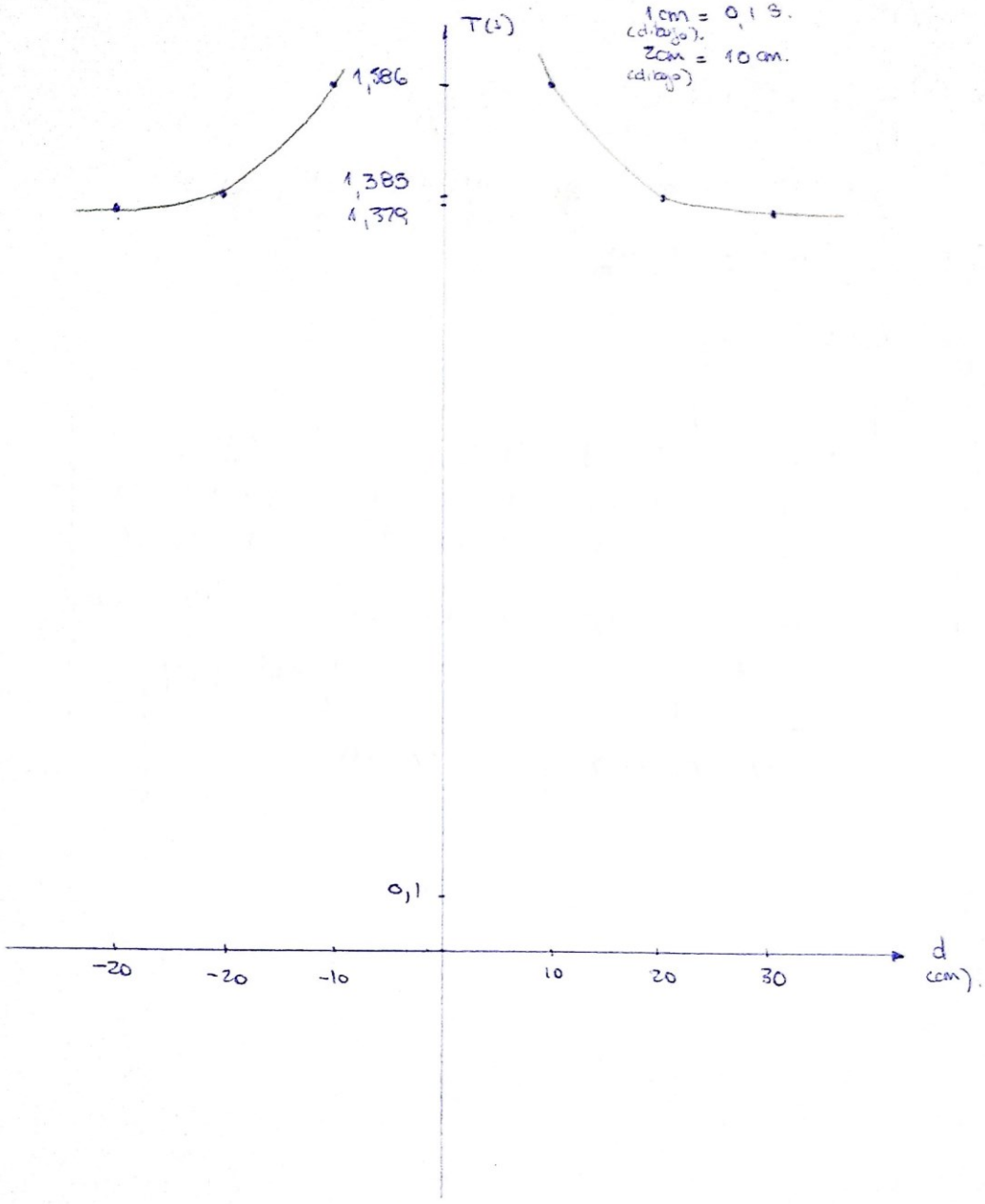
$$g = (10{,}2 \pm 0{,}2)\ \frac{m}{s^2}$$

Experiencia 2

Ponto	d_i [cm]	T_i [s]	I_i (experim) [g cm²]	I_{cm} (experim) $= I_i - md^2$ [g cm²]
1	10	1,586	318126,2434	267126,2434
2	20	1,585	485202,102	281202,102
3	30	1,379	721510,9362	262510,9362

$\bar{I}_{cm}$ (experim) [g cm²]	I_{cm} (teórico) $= \frac{1}{12} m L^2$ [g cm²]
270279,7605	272000

4.



5). $L_r = \frac{I}{md} = \frac{72\,1510,9362\ g\,cm^2}{510g \cdot 30cm} =$ 47,1576 cm ó 47,2 cm