

Results for the TP « Specific Heat Coefficient » (2 february 2011)

Time [s]	Temperature [$^{\circ}C$]	$\Delta\theta$ [$^{\circ}C$]
0	25.3	0
1	26.2	0.92
2	26.7	1.43
3	27.2	1.94
4	27.8	2.55
5	28.1	2.86
6	28.5	3.27
7	29.2	3.98
8	29.6	4.3

The graph on the right gives the best fit line with $y = \Delta\theta$ and $x = \text{time}$.

the equation is $y = 0.511667x + 0.276$

As the gradient is supposed to be ...

for $m=100g$ and $P=25$ watts

