

Results of the lab-work *Monkey Experiment*

$$d = 103 \pm 2 \text{ cm} \quad \text{diam} = 4 \pm 0.1 \text{ cm} \quad h = 95 \text{ cm}$$

Experiment #	1	2 and 3	4
Monkey touched	yes	once	yes
Δt [s]	0.1	0.04	0.07
$v = \frac{\text{diam}}{\Delta t}$ [ms^{-1}]	0.4	1.	0.571429
$\Delta T = \frac{d}{v}$ [s]	0.2575	0.103	0.18025
$y = \frac{g}{2}(\Delta T)^2$ [m]	0.324901	0.0519841	0.159201
measured y	$41 \pm 2 \text{ cm}$	5 cm	$15 \pm 2 \text{ cm}$
difference	6 cm	0.2 cm	0.9 cm

