



$$P = m \cdot g$$

$$I = m \cdot g$$

$$\rho = \frac{m}{v} \Leftrightarrow m = \rho \cdot v$$

$$I = \rho_{liquido} \cdot v_{esfera} \cdot g \Leftrightarrow \frac{4}{3}\pi r^3 \cdot \rho_{liquido}$$

$$F_v = 6\pi\eta r v$$

$$F_g = \rho_{esfera} \cdot v_{esfera} \cdot g \Leftrightarrow \frac{4}{3} \pi r^3 \rho_{esfera}$$

$$F_v + I = F_g$$

$$6\pi\eta rv + \frac{4}{3}\pi r^3 \cdot \rho_{liquido} = \frac{4}{3}\pi r^3 \rho_{esfera}$$

$$r^2 = \frac{9\eta}{2g(\rho_{esfera} - \rho_{liquido})} v_{lim}$$

Diâmetro, d(mm)									
Raio, R(mm)									
R (m)									
R2 (m)									
Experiência	t (s)	t (s)	t (s)	t (s)	t (s)	t (s)	t (s)	t (s)	
1									
2									
3									
4									
5									
6									
7									
8									
$\langle t \rangle$ (s)									
$\langle v_{lim} \rangle$ (m/s)									
$\mathcal{R}$									