

Cálculo das outras incertezas utilizadas no experimento

1. Incerteza do g experimental

$$g_{exp} = 4\pi^2 a$$

$$\sigma_g^2 = \left(\frac{\partial g_{exp}}{\partial a} \right)^2 \sigma_a^2$$

$$\sigma_g = \left(\frac{\partial g_{exp}}{\partial a} \right) \sigma_a$$

$$\frac{\partial g_{exp}}{\partial a} = 4\pi^2$$

$$\sigma_{g_{exp}} = 4\pi^2 \sigma_a$$