

Inertia Wheel Lab Report

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Data

mass (g)	time (s)		distance (m)	a_{avg}	α_{avg}	$\sum \tau$
20	9	61, 61, 7, 91, 96	1	$a_{\text{avg}} = m\omega_{\text{avg}}^2 r$ $= m \left(\frac{\Delta\theta}{\Delta t}\right)^2 r$	α_{avg}	$\tau = I\alpha$
	10	0, 16				
		<div>1 1 = 1.1</div> $t_{\text{avg}} = 9.85$				