
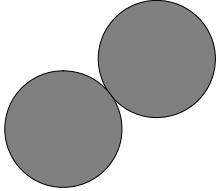
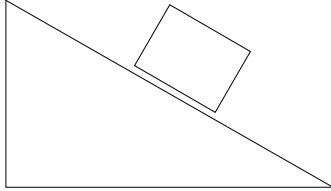


$\omega = \frac{1 + \beta}{1 - \beta} \omega_0$?	$h = 3R$	
$T = 2\pi \sqrt{\frac{l}{\sqrt{a^2 + g^2}}}$?a	$a_{cm} = \frac{g \sin(\theta)}{1 + \frac{I}{MR^2}}$	"
$I = 3MR^2$		$v_{cm} = \sqrt{\frac{2gh}{1 + \frac{I}{MR^2}}}$	"
$N = 3mg$?	$a = \frac{mg \sin(\alpha) \cos(\alpha)}{M + m \sin^2(\alpha)}$	
$V_E = \sqrt{\frac{2GM}{R}}$ $V_E = \sqrt{2Rg}$	"	$\cos(\theta) = \frac{2}{3}$ $v = \frac{2}{3} Rg$	