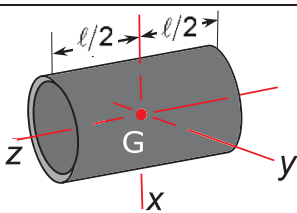
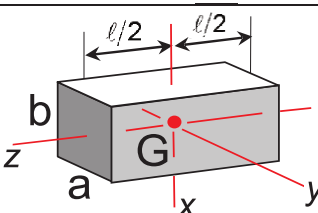
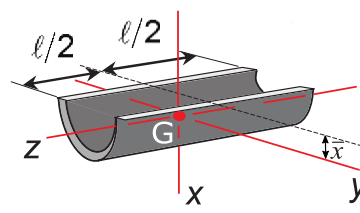
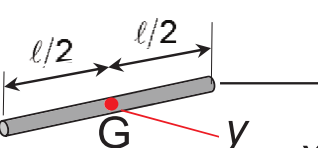
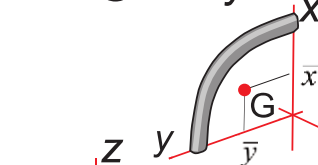
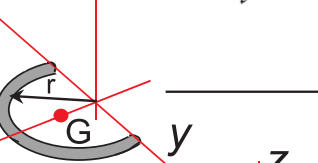
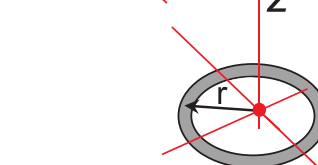
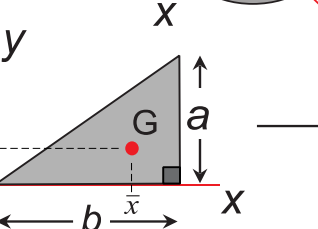
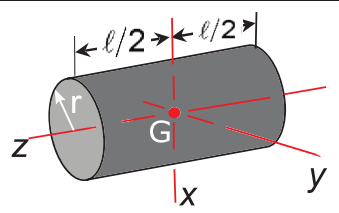
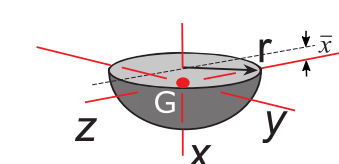
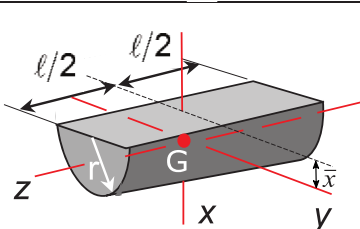


Corps	Centre de masse	Moments d'inertie	Corps	Centre de masse	Moments d'inertie
		$I_{xx} = I_{yy} = \frac{1}{2}mr^2 + \frac{1}{12}m\ell^2$ $I_{zz} = mr^2$			$I_{xx} = \frac{1}{12}m(a^2 + \ell^2)$ $I_{yy} = \frac{1}{12}m(b^2 + \ell^2)$ $I_{zz} = \frac{1}{12}m(a^2 + b^2)$
	$\bar{x} = \frac{2r}{\pi}$	$I_{xx} = \frac{1}{2}mr^2 + \frac{1}{12}m\ell^2$ $I_{yy} = \left(\frac{1}{2} - \frac{4}{\pi^2}\right)mr^2 + \frac{1}{12}m\ell^2$ $I_{zz} = \left(1 - \frac{4}{\pi^2}\right)mr^2$	<div style="text-align: center;"><b>CORPS MINCES</b></div>     		
		$I_{xx} = I_{yy} = \frac{1}{4}mr^2 + \frac{1}{12}m\ell^2$ $I_{zz} = \frac{1}{2}mr^2$			
	$\bar{x} = \frac{3r}{8}$	$I_{xx} = \frac{2}{5}mr^2$ $I_{yy} = I_{zz} = \frac{83}{320}mr^2$			
	$\bar{x} = \frac{4r}{3\pi}$	$I_{xx} = \frac{1}{4}mr^2 + \frac{1}{12}m\ell^2$ $I_{yy} = \left(\frac{1}{4} - \frac{16}{9\pi^2}\right)mr^2 + \frac{1}{12}m\ell^2$ $I_{zz} = \left(\frac{1}{2} - \frac{16}{9\pi^2}\right)mr^2$			
			<div style="text-align: center;"><b>CORPS MINCES</b></div>		
			$I_{yy} = \frac{1}{12}m\ell^2$		
			$\bar{x} = \bar{y} = \frac{2r}{\pi}$		
			$I_{xx} = I_{yy} = \frac{1}{2}mr^2$ $I_{zz} = mr^2$		
			$\bar{x} = \frac{2r}{\pi}$		
			$I_{xx} = I_{yy} = \frac{1}{2}mr^2$ $I_{zz} = mr^2$		
			$* \bar{I}_{yy} = \left(\frac{1}{2} - \frac{4}{\pi^2}\right)mr^2$ $* \bar{I}_{zz} = \left(1 - \frac{4}{\pi^2}\right)mr^2$		
			$I_{xx} = I_{yy} = \frac{1}{2}mr^2$ $I_{zz} = mr^2$		
			$\bar{x} = \frac{2}{3}b$		
			$\bar{y} = \frac{1}{3}a$		
			$I_{xx} = \frac{1}{6}ma^2$ $I_{yy} = \frac{1}{2}mb^2$		
			<div style="text-align: center;">Triangle rectangle mince</div>		

\*Demi-cercle : les moments d'inertie avec une barre sont calculés par rapport à un axe qui passe par le centre de masse de l'objet.