

Worksheet: Angular momentum conservation (calculus-based physics)

Illustration of **initial** situation

Draw system and relevant aspects of environment.
 Use dashed bubble(s) to indicate object(s) in system.
 Draw axis of rotation and indicate positive sense of rotation.

Illustration of **final** situation

Draw system and relevant aspects of environment.
 Use dashed bubble(s) to indicate object(s) in system.
 Draw axis of rotation and indicate positive sense of rotation.

$$\Sigma L_i + \int_{t=t_i}^{t=t_f} \left(\sum_{\substack{\text{EXT} \\ \text{ON SYS}}} \tau \right) dt = \Sigma L_f$$

	Object	$L = I\omega$ (can use mvr_{\perp} for point particles)
1		
2		
3		
4		
Σ		

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1		
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3		
4		
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