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Module 2: Forces in Action

1.2.3 Equilibrium



Objectives

- Draw a free-body diagram for objects in equilibrium
- Use a triangle of forces to represent the equilibrium of three forces acting at a point
- Explain that both the net force and net moment on an object in equilibrium is zero



Sum of forces equals zero

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Forces <sub>up</sub> = Forces <sub>down</sub>
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Sum of moments equals zero















