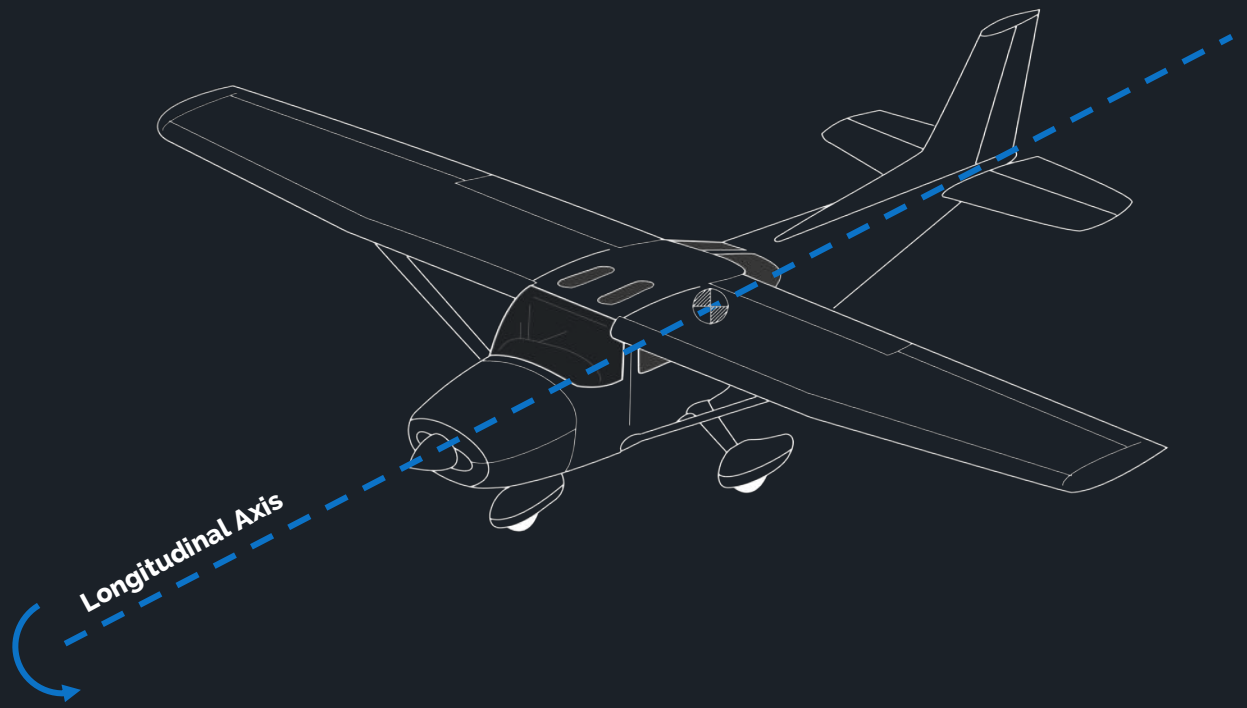
General Knowledge

Aeroplane Axes and Planes of Movement

Aircraft Axes

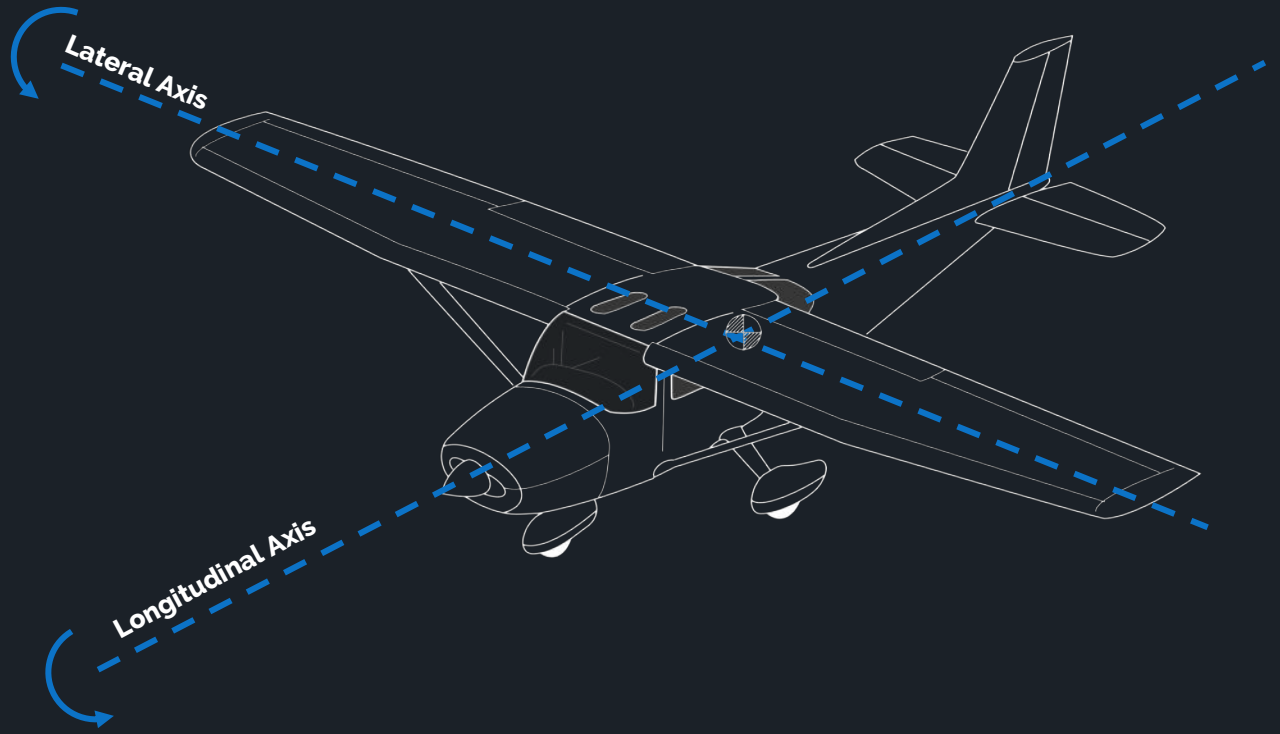


Longitudinal Axis

The longitudinal axis extends through the aircraft from nose to tail, with the line passing through the CG. Motion about this axis is called roll. An angular displacement about this axis is called bank. The ailerons are the primary control of roll.

Source: Pilot Handbook of Aeronautical Knowledge

Aircraft Axes



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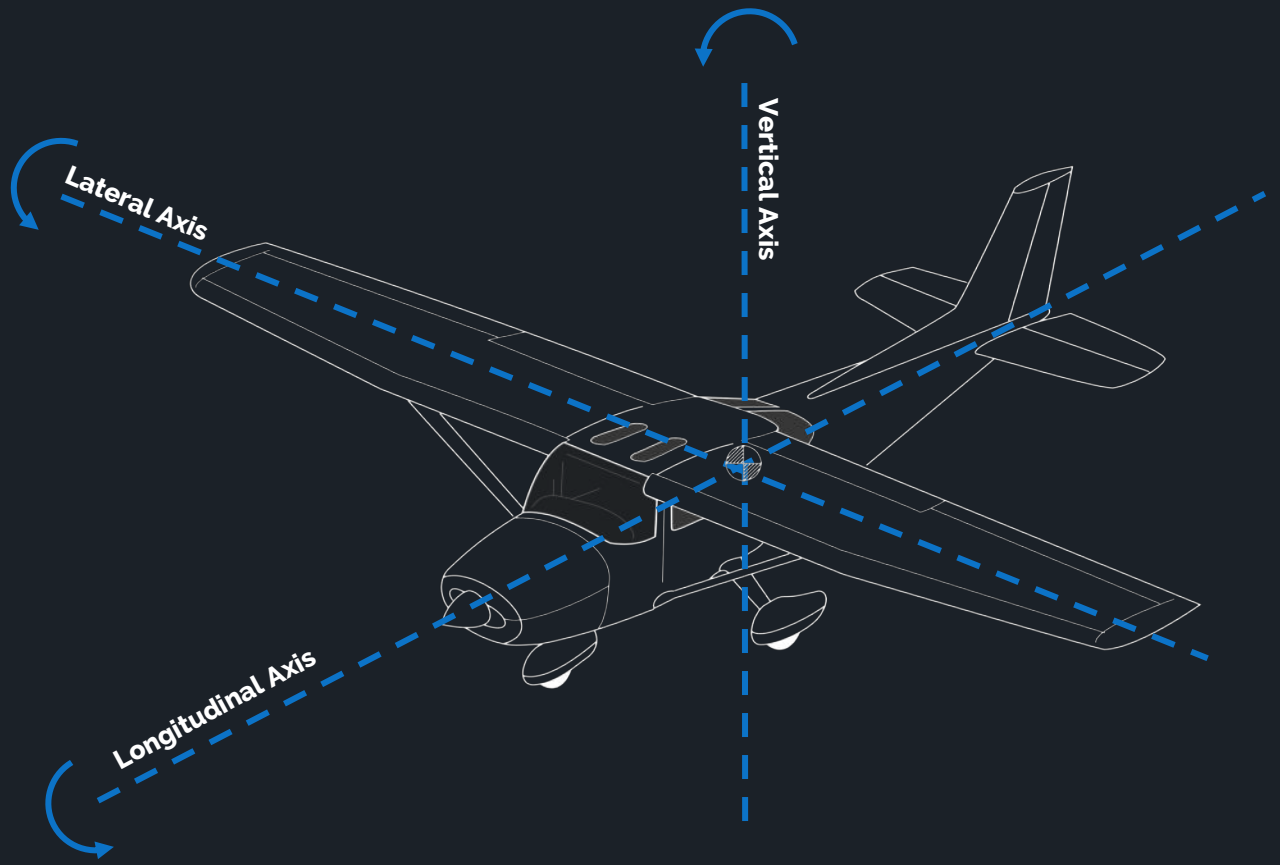
Lateral Axis

The lateral or pitch axis extends across the aircraft on a line through the wing tips, again passing through the CG. Motion about this axis is called pitch. The elevators are the primary control of pitch.

Source: Pilot Handbook of Aeronautical Knowledge

Aircraft Axes



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Vertical Axis

The vertical, or yaw, axis passes through the aircraft vertically, intersecting the CG. Motion about this axis is called yaw. The rudder is the primary control of yaw.

Source: Pilot Handbook of Aeronautical Knowledge