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Steady flight means no acceleration, so we can infer from Newton's first law that the sum of forces acting on the aircraft is zero ? F ?. This is the equilibrium steady flight condition.

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and physics, it also includes a section on translational flight dynamics that makes a clear connection between steady flight and flight dynamics, thereby providing a bridge to further study.

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Several steady level flight performance measures are also studied. Steady level flight is the most common type of flight, sometimes referred to as cruising flight. It occurs when the aircraft velocity vector is a constant horizontal vector so that the path along which the aircraft moves is a straight line in a horizontal plane.

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