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Principles of Helicopter Aerodynamics (Cambridge Aerospace ...

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Dr. J. Gordon Leishman, Alfred Gessow Rotocraft Center

This chapter is dedicated to present the principles that constitute the fundamentals of helicopter flight physics, starting from the basics of the main rotor aerodynamics and of the component parts related to flight control. The chapter opens with a short history of helicopter development, taking the date of 13th November 1907 for a reference point; this is the date when the first helicopter ...

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are common to these fields. The term aerodynamics is often used synonymously with gas dynamics, the difference being that "gas dynamics" applies to the study of the motion of all gases, and is not limited to air. The formal study of ...

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Helicopter Aerodynamics of Flight | Aircraft Systems

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