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Introduction to Space Flight\textsuperscript{[1]} Francis J. Naia 1994 For introductory course in space flight dynamics. A self-contained, integrated introduction to the performance aspects of flight how to get into space, how to get around in space, and how to return to Earth or land on another planet (as opposed to specialized areas of life support, guidance and control, or communications).

Space Flight Dynamics\textsuperscript{[2]} Craig A. Klaver 2018-03-12 Through coverage of space flight topics with self-contained chapters serving a variety of courses in orbital mechanics, spacecraft dynamics, and astronautics. This covers the basic dynamics of the space flight system on space missions, orbital mechanics, spacecraft construction, and spacecraft systems. The book presents a self-contained account of orbital mechanics, orbital transfers, spacecraft design, and spacecraft systems. The book is a comprehensive reference for students and professionals in the fields of astronautics, aerospace engineering, and related disciplines.

Introduction to Aircraft Maintenance Student Workbook\textsuperscript{[3]} 2012-03-01 Rotorcraft Aeromechanics\textsuperscript{[4]} Wayne Johnson 2013-04-29 A rotorcraft is a class of aircraft that uses large-diameter rotating wings to accomplish efficient vertical take-off and landing. This class encompasses helicopters of various constructions (single main rotor and tail rotor, tandem rotors, coaxial rotors), tilt-rotor aircraft, tilt-wing aircraft, compound helicopters, and many other innovative configuration concepts. Aeromechanics covers much of what the rotorcraft engineer needs: performance, loads, vibration, stability, flight dynamics, and noise. These topics include many of the key performance attributes and the often-encountered problems in rotorcraft design. This comprehensive book presents, in depth, what engineers need to know to design and produce rotorcraft aeromechanics. It focuses on analysis, and calculated results are presented to illustrate analysis characteristics and rotor behavior. Earlier chapters span the topic of rotorcraft aerodynamics, blades motion, and performance. The remainder of the book covers advanced topics in rotor wing aerodynamics and dynamics.

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Mechanics of Flight\textsuperscript{[7]} Warren F. Phillips 2004-01-29 The textbook introduces the fundamentals of flight mechanics, everything from the equations of motion to aircraft performance. It presents the analysis of common space flight systems, with an emphasis on the principles of flight mechanics, including flight dynamics, stability, control, and flight testing. This textbook provides a solid foundation for understanding the dynamics and control of flight vehicles.