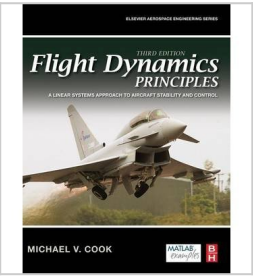

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By Michael V. Cook

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The study of flight dynamics requires a thorough understanding of the theory of the stability and control of aircraft, an appreciation of flight control systems and a grounding in the theory of automatic control. Flight Dynamics Principles is a student focused text and provides easy access to all three topics in an integrated modern systems context. Written for those coming to the subject for the first time, the book provides a secure foundation from which to move on to more advanced topics such as, non-linear flight dynamics, flight simulation, handling qualities and advanced flight control. New to this edition: * Additional examples to illustrate the application of computational procedures using tools such as MATLAB , MathCad and Program CC * Improved compatibility with, and more expansive coverage of the North American notational style* Expanded coverage of lateral-directional static stability, manoeuvrability, command augmentation and flight in turbulence* An additional coursework study on flight control design for an unmanned air vehicle (UAV)

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