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A&AE 421 Flight Dynamics and Control - Purdue University

Roskam, Jan, Airplane Flight Dynamics and Automatic Flight Controls, Part I, Roskam Aviation and Engineering Corporation, 1979 Seckel, Edward, Stability and Control of Airplanes and Helicopters , Academic Press, 1964

AME 459 - Flight Mechanics

control, and flight controls of atmospheric flight vehicles The class assumes a basic understanding of fluid dynamics, and will cover the development of the equations of motion, aircraft static and dynamic stability, aircraft response to atmospheric disturbances, flight simulation, and the fundamentals of classical feedback control theory

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This version of Feedback Systems is the electronic edition of the text Revision history: • Version 210c (4 Mar 2010): third printing, with corrections • Version 210b (22 Feb 2009): second printing, with corrections • Version 210a (2 Dec 2008): electronic edition Corrected all errata listed on companion web site (multiple changes)

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of the program, tailored to support the third edition of Flight Dynamics Principles[6], and is offered as a free download from the publishers web site to purchasers of the book History First attempts at developing a set of computer software tools to support the courses in flight dynamics were made by Cruciani[1], Sverkmo[2] and Oakley[3]

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