



Space Vehicle Dynamics and Control (AIAA Education)

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Highlights a range of orbital maneuvering and control problems: orbital transfer, rendezvous, and halo orbit determination and control. This book also covers rotational maneuvering and attitude control problems of space vehicles under the influence of reaction jet firings, internal energy dissipation, or momentum transfer via reaction wheels.

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Editorial Review

About the Author

Bong Wie is the Vance Coffman Chair Professor of Aerospace Engineering at Iowa State University, Ames, Iowa. He was a Professor of Aerospace Engineering at Arizona State University before joining Iowa State University in 2007. He has been a Visiting Professor at the University of Surrey, U.K. since 2004. He received his B.S. in aeronautical engineering from Seoul National University, and a M.S. and Ph.D. in aeronautics and astronautics from Stanford University. In 2006, the AIAA presented Prof. Wie with the Mechanics and Control of Flight Award for his innovative research on advanced control of complex spacecraft such as solar sails, large flexible structures, and agile imaging satellites equipped with control moment gyros. He is an Associate Fellow of AIAA.

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