



# Introduction to Structural Dynamics and Aeroelasticity (Cambridge Aerospace Series)

Dewey H. Hodges, G. Alvin Pierce

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Here is an introduction to structural dynamics and aeroelasticity, with an emphasis on conventional aircraft. The primary areas considered are structural dynamics, static aeroelasticity and dynamic aeroelasticity. Aeroelastic phenomena discussed include divergence, aileron reversal, airload redistribution, unsteady aerodynamics, flutter and elastic tailoring. Over one hundred illustrations and tables help clarify the text, while more than fifty problems enhance student learning.



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