



A Modern Course in Aeroelasticity (Solid Mechanics and Its Applications)

By Robert Clark, David Cox, Howard C. Jr. Curtiss, John W. Edwards, Kenneth C. Hall, David A. Peters, Robert Scanlan, Emil Simiu, Fernando Sisto, Thomas W. Strganac

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In this new edition, the fundamental material on classical linear aeroelasticity has been revised. Also new material has been added describing recent results on the research frontiers dealing with nonlinear aeroelasticity as well as major advances in the modelling of unsteady aerodynamic flows using the methods of computational fluid dynamics and reduced order modeling techniques. New chapters on aeroelasticity in turbomachinery and aeroelasticity and the latter chapters for a more advanced course, a graduate seminar or as a reference source for an entrée to the research literature.

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