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This pioneering aerospace engineering text belongs on the shelf of every aerospace and structural engineering graduate student and professional engineer. Originally published in 1968, the treatment remains a valuable guide, tracing each procedure in a clear, step-by-step fashion and employing minimal mathematical rigor in its examples.The text begins with an overview of matrix methods and their application to the structural design of modern aircraft and aerospace vehicles. Subsequent chapters cover the basic equations of elasticity, energy theorems, structural idealization, Castigliano's theorem, derivation of stiffness matrices from flexibility, and constant-shear-flow panels. Additional subjects include a comparison of force and displacement methods, analysis of substructures, structural synthesis, and nonlinear structural analysis. Abundant end-of-chapter supplements provide materials for classroom use

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