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Sommario/riassunto

This book describes the role of nonlinear computational modeling in the analysis and synthesis of aerospace systems with particular reference to structural integrity, aerodynamics, structural optimization, probabilistic structural mechanics, fracture mechanics, aeroelasticity, and compressible flows. Aerospace and mechanical engineers specializing in computational sciences, damage tolerant design, structures technology, aerodynamics, and computational fluid dynamics will find this text a valuable resource.

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