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Altri autori (Persone)	WilliamsHarry E <1930-> (Harry Edwin)
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Nota di contenuto	Front Cover; Dedication; Contents; Preface; Authors; 1. Mathematical Modeling for Structural Analysis; 2. Structural Models and Structural Modeling; 3. Exploring Intuition: Beams, Trusses, and Cylinders; 4. Estimating Stresses and Displacements in Arches; 5. Estimating the Behavior of Coupled Discrete Systems; 6. Buildings Modeling as Coupled Beams: Static Response Estimates; 7. Buildings Modeled as Coupled Beams: Natural Frequency Estimates
Sommario/riassunto	Explicitly reintroducing the idea of modeling to the analysis of structures, Analytical Estimates of Structural Behavior presents an integrated approach to modeling and estimating the behavior of structures. With the increasing reliance on computer-based approaches in structural analysis, it is becoming even more important for structural engineers to recognize that they are dealing with models of structures, not with the actual structures. As tempting as it is to run innumerable

simulations, closed-form estimates can be effectively used to guide
and check numerical results,
