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The Fundamentals of Modal Testing

analysis-and-design technique that it is essential that undergraduate engineering students have a basic knowledge of the theory and applications of the technique. Toward that objective, I developed and taught an undergraduate "special topics"

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115 Chapter 7 Structural design Introduction Structural design is the methodical investigation of the stability, strength and rigidity of structures. The basic ... has greatly reduced the complexity of the analysis and design process as well as reducing the amount of time required to finish a project.

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Other related topics such as influence lines, non-prismatic members, composite structures, secondary stress analysis, limits of linear and static structural analysis are presented at the end. S. T. Mau 2002 vi1 Truss Analysis: Matrix Displacement Method 1.

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