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widely used for solving structural, vibration, and thermal problems. However, FEA is not the only available tool of numerical analysis.

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Finite Element
Analysis is a way to
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design and GHWHUP

LQHWKHGHVVLJQ ¶ VU

HVSRQVHWRWKR VH

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design is modeled

using discrete

building blocks called

elements. Each

element has exact

equations that

describe how it

responds to a certain

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loves sushi, she's

stuck with a

occupation she hates,

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and he or she lives
beneath a brutal
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Analysis Using ANSYS

C.1 INTRODUCTION

ANSYS is the original (and commonly used) name for ANSYS

Mechanical or ANSYS

Multiphysics, general-purpose finite

element analysis

software. ANSYS, Inc

actually develops a

complete range of

CAE products, but is

perhaps best known

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Finite Element
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Ansys structural
analysis software
enables you to solve
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better, faster design

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decisions. With the finite element analysis (FEA) solvers available in the suite, you can customize and automate solutions for your structural mechanics problems and parameterize them to analyze multiple design scenarios.

Structural Analysis

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ANSYS is a complete FEA software package used by engineers worldwide in virtually all fields of engineering. ANSYS is a virtual Prototyping technique used to iterate various scenarios to optimize the product. General

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