



# ANSYS Workbench Tutorial

*Kent Lawrence*

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The exercises in the **ANSYS Workbench Tutorial (Release 10)** introduce the reader to effective engineering problem solving through the use of this powerful modeling, simulation and optimization tool. Topics that are covered include solid modeling, stress analysis, conduction/convection heat transfer, thermal stress, vibration and buckling. It is designed for practicing and student engineers alike and is suitable for use with an organized course of instruction or for self-study.

## **CONTENTS:**

### **INTRODUCTION**

- Overview
- The Process
- The Tutorials
- The ANSYS Workbench Interface
- Summary

### **1 – SOLID MODELING FUNDAMENTALS**

- Overview
- Introduction
- Tutorial 1A – Extrusion
- Tutorial 1B – Revolution
- Tutorial 1C – Sweep Sketching
- Summary
- Problems

### **2 – PLACED FEATURES, ASSEMBLY**

- Overview
- Introduction
- Tutorial 2A – Adding A Hole to the Extrusion
- Tutorial 2B – Adding a Round to the Extrusion
- Tutorial 2C – Adding a Chamfer to the Extrusion
- Tutorial 2D – Patterns
- Tutorial 2E – Clevis Assembly
- Tutorial 2F – Alternate Solid Modeler
- Summary
- Problems

### **3 – MODELING TECHNIQUES**

- Overview
- Introduction
- Tutorial 3A – Parameters

- Other CAD Systems
- Surface And Line Models
- Tutorial 3B – Planar Surface Models
- Tutorial 3C – 3D Surface Models
- Tutorial 3D – Line Models
- Summary
- Problems

#### **4 – SIMULATION I**

- Overview
- Introduction
- Tutorial 4A – Plate with Central Circular Hole
- Tutorial 4B – Plate with Central Square Hole
- Summary
- Problems

#### **5 - SIMULATION II**

- Overview
- Introduction
- Tutorial 5A – Cylindrical Pressure Vessel
- Tutorial 5B – Bracket
- Tutorial 5C – Clevis Assembly
- Summary
- Problems

#### **6 – WIZARDS & TOOLS**

- Overview
- Introduction
- Tutorial 6A – Static Loadings – Ductile Materials
- Tutorial 6B – Static Loadings – Brittle Materials
- Tutorial 6C – Fatigue Loadings – Ductile Materials
- Summary
- Problems

#### **7 – HEAT TRANSFER & THERMAL STRESS**

- Overview
- Introduction
- Heat Transfer
- Tutorial 7A – Temperature Distribution in a Cylinder
- Thermal Stress I
- Tutorial 7B – Uniform Temperature Change
- Thermal Stress II
- Tutorial 7C – Thermal Stress in a Cylinder
- Summary
- Problems

#### **8 – SURFACE & LINE MODELS**

- Overview
- Introduction
- Tutorial 8A – Sheet with Circular Hole – Plane Stress
- Tutorial 8B – Pressure Vessel
- Tutorial 8C – Bracket
- Tutorial 8D – Line-Body Model
- Summary
- Problems

## 9 – NATURAL FREQUENCIES & BUCKLING LOADS

- Overview
- Introduction
- Tutorial 9A – Simply Supported Beam Frequencies
- Tutorial 9B – Natural Frequencies of a Chime
- Tutorial 9C – Natural Frequencies of an Assembly
- Buckling Loads
- Tutorial 9D – Fixed-Free Column (Flagpole)
- Tutorial 9E – Buckling of a Pinned-Pinned Column
- Tutorial 9F – Buckling of a Built-Up Structure
- Summary
- Problems

### ABOUT THE AUTHOR:

**Kent L. Lawrence** is Professor of Mechanical and Aerospace Engineering, University of Texas at Arlington where he has served as Graduate Advisor, Chair of the Department, and supervised the graduate work of over one hundred masters and PhD students. He is a Life Fellow of ASME, the author of the book ANSYS Tutorial, SDC Publications, 2002, 2003, 2004, 2005, 2006 and coauthor with Robert L. Woods of the text Modeling and Simulation of Dynamic Systems, Prentice-Hall, 1997.

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