



## HFSS9 Design Tutorials



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These Tutorials are written for HFSS beginners as well as experienced users who are using HFSS version 9 for the first time. This guide will guide you step-by-step through creating, solving, and analyzing the results of a design. By following the steps, you will learn how to complete a design using HFSS. In every tutorial, you will learn:

- ✓ General navigation of software menus, toolbars, and quick keys
- ✓ Variable assignment
- ✓ Overview of commands used to create complex geometric models
- ✓ Proper assignment of sources and boundaries
- ✓ Analysis Setup
- ✓ Report creation and options
- ✓ Optimetrics setup and analysis

The book includes the following tutorials:

1. The Dipole Antenna Design Tutorial
2. The Horn Antenna Design Tutorial
3. The Rectangular Patch Antenna Design Tutorial
4. an Octagonal Waveguide Applicator for High Power Microwave Heating Applications
5. The Microwave Oven Tutorial
6. Longitudinally Slotted Rectangular Waveguide Tutorial
7. TE<sub>10</sub> Mode Cavity Resonator Tutorial
8. Cylindrical Cavity Beginner's Tutorial
9. WaveGuide T-Junction Tutorial
10. Optimizing a Waveguide T-Junction

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