

Introduction to Solid Modeling Using SolidWorks 2018, 14e

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Detailed List of New Features

Updated to reflect newest version of SolidWorks.

Retained Features

Design Intent Boxes: These are intended to augment the “keystroke-level” tutorials to include the rationale behind the sequence of operations chosen to create a model.

Future Study Boxes: These link the material contained in the chapters to topics that will be seen later in the academic and professional careers of new engineering students. They are intended to motivate interest in advanced study in engineering, and to place the material seen in the tutorials within the context of the profession.

The organization of the chapters of the book reflects the authors’ preferences in teaching the material, but allows for several different options. We have found that covering drawings early in the course is helpful in that we can have students turn in drawings rather than parts as homework assignments. The eDrawings feature, which is covered in Chapter 2, is especially useful in that eDrawings files are small (easy to e-mail), self-contained (not linked to the part file), and can be easily marked up with the editing tools contained in the eDrawings program.

Additional resources are available on the web at www.mhhe.com/howard2016. Included on the website are tutorials for three popular SolidWorks Add-Ins, SolidWorks® Simulation, SolidWorks® Motion™ and PhotoView360, and the book figures in PowerPoint format. Instructors can also access PowerPoint files for each chapter and model files for all tutorials and end-of-chapter problems as well as a teaching guide (password-protected; contact your McGraw-Hill representative for access).

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