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# Autodesk 3ds Max 2016 for Beginners

A Tutorial Approach, 16th Edition



Revised & Updated Edition





Sham Tickoo

Purdue University Calumet, USA

# **Autodesk 3ds Max 2016 For Beginners A Tutorial Approach**

**Prof. Sham Tickoo** 

# Autodesk 3ds Max 2016 For Beginners A Tutorial Approach:

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Chapter 10 Material Editor Controlling Texture Maps Chapter 11 Material Editor Miscellaneous Materials Chapter 12 Interior Lighting I Chapter 13 Interior Lighting II Chapter 14 Animation Basics Chapter 15 Complex Animation Chapter 16 Rendering Chapter 17 Creating Walkthrough Project 1 Creating a Windmill Project 2 Creating a Diner Project 3 Architectural Project Project 4 Corporate Design Project Project 5 Creating a Computer Center Index Autodesk Maya 2019: A Comprehensive Guide, 11th Edition Prof. Sham Tickoo, 2018 Autodesk Maya 2019 is a powerful integrated 3D modeling animation visual effects and rendering software developed by Autodesk Inc This integrated node based 3D software finds its application in the development of films games and design projects A wide range of 3D visual effects computer graphics and character animation tools make it an ideal platform for 3D artists The intuitive user interface and workflow tools of Maya 2019 have made the job of design visualization specialists a lot easier Autodesk Maya 2019 A Comprehensive Guide book covers all features of Autodesk Maya 2019 software in a simple lucid and comprehensive manner It aims at harnessing the power of Autodesk Maya 2019 for 3D and visual effect artists and designers This Autodesk Maya 2019 book will help you transform your imagination into reality with ease Also it will unleash your creativity thus helping you create realistic 3D models animation and visual effects It caters to the needs of both the novice and advanced users of Maya 2019 and is ideally suited for learning at your convenience and at your pace Salient Features Consists of 17 chapters that are organized in a pedagogical sequence covering a wide range of topics such as Maya interface Polygon modeling NURBS modeling texturing lighting cameras animation Paint Effects Rendering nHair Fur Fluids Particles nParticles and Bullet Physics in Autodesk Maya 2019 The first page of every chapter summarizes the topics that are covered in it Consists of hundreds of illustrations and a comprehensive coverage of Autodesk Maya 2019 concepts commands Real world 3D models and examples focusing on industry experience Step by step instructions that guide the user through the learning process Additional information is provided throughout the book in the form of tips and notes Self Evaluation test Review Questions and Exercises are given at the end of each chapter so that the users can assess their knowledge Table of Contents Chapter 1 Exploring Maya Interface Chapter 2 Polygon Modeling Chapter 3 NURBS Curves and Surfaces Chapter 4 NURBS Modeling Chapter 5 UV Mapping Chapter 6 Shading and Texturing Chapter 7 Lighting Chapter 8 Animation Chapter 9 Rigging Constraints and Deformers Chapter 10 Paint Effects Chapter 11 Rendering Chapter 12 Particle System Chapter 13 Introduction to nParticles Chapter 14 Fluids Chapter 15 nHair Chapter 16 Bifrost Chapter 17 Bullet Physics Index Autodesk Maya 2020: A Comprehensive **Guide, 12th Edition** Prof. Sham Tickoo, 2020-04-08 Autodesk Maya 2020 is a powerful integrated 3D modeling animation visual effects and rendering software developed by Autodesk Inc This integrated node based 3D software finds its application in the development of films games and design projects The intuitive user interface and workflow tools of Maya 2020 have made the job of design visualization specialists a lot easier Autodesk Maya 2020 A Comprehensive Guide covers all features of Autodesk Maya 2020 software in a simple lucid and comprehensive manner It will unleash your creativity thus helping you

create realistic 3D models animation and visual effects In this edition new tools and enhancements in modeling animation rigging as well as performance improvements in bifrost are covered Additionally the newly introduced Mash module which is used for creating motion graphics is also covered in the book Salient Features Consists of 17 chapters that are organized in a pedagogical sequence covering a wide range of topics such as Maya interface Polygon modeling NURBS modeling texturing lighting cameras animation Paint Effects Rendering nHair Fur Fluids Particles nParticles and Bullet Physics in Autodesk Maya 2020 The first page of every chapter summarizes the topics that are covered in it Consists of hundreds of illustrations and a comprehensive coverage of Autodesk Maya 2020 concepts commands Real world 3D models and examples focusing on industry experience Step by step instructions that guide the user through the learning process Additional information is provided throughout the book in the form of tips and notes Self Evaluation test Review Questions and Exercises are given at the end of each chapter so that the users can assess their knowledge Table of Contents Chapter 1 Exploring Maya Interface Chapter 2 Polygon Modeling Chapter 3 NURBS Curves and Surfaces Chapter 4 NURBS Modeling Chapter 5 UV Mapping Chapter 6 Shading and Texturing Chapter 7 Lighting Chapter 8 Animation Chapter 9 Rigging Constraints and Deformers Chapter 10 Paint Effects Chapter 11 Rendering Chapter 12 Particle System Chapter 13 Introduction to nParticles Chapter 14 Fluids Chapter 15 nHair Chapter 16 Bifrost Chapter 17 Bullet Physics and Motion Graphics Index Exploring Autodesk Revit MEP 2017, 4th Edition Prof. Sham Tickoo, 2016-02-22 Exploring Autodesk Revit 2017 for MEP book covers the detailed description of all basic and advanced concepts as well as the usage of the tools and commands of Autodesk Revit 2017 It explores the processes involved in Building Information Modeling The topics covered in this book range from creating building components HVAC system electrical system plumbing system and Fire protection system to designing conceptual massing performing HVAC heating and loading analysis and creating rich construction documentation In this book special emphasis has been laid on the concepts of space modeling and tools to create systems for all disciplines MEP Each concept in this book is explained using the detailed description and relevant graphical examples and illustrations The accompanying tutorials and exercises which relate to the real world projects help you understand the usage and abilities of the tools available in Autodesk Revit 2017 In addition the chapters in this book are punctuated with tips and notes to make the concepts clear thereby enabling the readers to create their own innovative projects Salient Features Covers advanced functions such as worksharing families and system creations Covers topics such as how to create a building envelope spaces and zones HVAC system electrical system fire fighting system and plumbing system Provides step by step explanation that guides the users through the learning process Effectively communicates the utility of Revit MEP 2017 Self Evaluation Test and Review Questions at the end of chapters for reviewing the concepts learned in the chapters Table of Contents Chapter 1 Introduction to Autodesk Revit 2017 for MEP Chapter 2 Getting Started with an MEP Project Chapter 3 Creating Building Envelopes Chapter 4 Creating Spaces and Zones and Performing Load Analysis Chapter 5 Creating an HVAC System Chapter

6 Creating an Electrical System Chapter 7 Creating Plumbing Systems Chapter 8 Creating Fire Protection Systems Chapter 9 Creating Construction Documents Chapter 10 Creating Families and Worksharing Index **Exploring Autodesk Revit 2017 for Structure, 7th Edition** Prof. Sham Tickoo, 2016-03-11 Exploring Autodesk Revit 2017 for Structure is a comprehensive book that has been written to cater to the needs of the students and the professionals who are involved in the AEC profession This enables the users to harness the power of BIM with Autodesk Revit Structure 2017 for their specific use In this book the author emphasizes on physical modeling analytical modeling rebar modeling and quantity scheduling Also Revit Structure 2017 book covers the description of various stages involved in analyzing the model in Robot Structural Analysis software This book is specially meant for professionals and students in structural engineering civil engineering and allied fields in the building industry In this book along with the main text the chapters have been punctuated with tips and notes to give additional information on the concept thereby enabling you to create your own innovative project Salient Features Detailed explanation of structural tools of Autodesk Revit Real world structural projects given as tutorials Tips and Notes throughout the textbook 536 pages of heavily illustrated text Self Evaluation Tests Review Questions and Exercises at the end of each chapter Table of Contents Chapter 1 Introduction to Autodesk Revit 2017 for Structure Chapter 2 Getting Started with a Structural Project Chapter 3 Setting up a Structural Project Chapter 4 Structural Columns and Walls Chapter 5 Foundations Beams Floors and Open Web Joists Chapter 6 Editing Tools Chapter 7 Documenting Models and Creating Families Chapter 8 Standard Views Details and Schedules Chapter 9 3D Views Sheets Analysis Reinforcements and Massing Chapter 10 Linking Revit Model with Robot Structural Analysis Student Project Index

This book delves into Autodesk 3ds Max 2016 For Beginners A Tutorial Approach. Autodesk 3ds Max 2016 For Beginners A Tutorial Approach is a vital topic that needs to be grasped by everyone, from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Autodesk 3ds Max 2016 For Beginners A Tutorial Approach, encompassing both the fundamentals and more intricate discussions.

- 1. The book is structured into several chapters, namely:
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  - Chapter 4: Autodesk 3ds Max 2016 For Beginners A Tutorial Approach in Specific Contexts
  - ∘ Chapter 5: Conclusion
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- 3. In chapter 2, this book will delve into the foundational concepts of Autodesk 3ds Max 2016 For Beginners A Tutorial Approach. This chapter will elucidate the essential principles that must be understood to grasp Autodesk 3ds Max 2016 For Beginners A Tutorial Approach in its entirety.
- 4. In chapter 3, this book will examine the practical applications of Autodesk 3ds Max 2016 For Beginners A Tutorial Approach in daily life. This chapter will showcase real-world examples of how Autodesk 3ds Max 2016 For Beginners A Tutorial Approach can be effectively utilized in everyday scenarios.
- 5. In chapter 4, this book will scrutinize the relevance of Autodesk 3ds Max 2016 For Beginners A Tutorial Approach in specific contexts. This chapter will explore how Autodesk 3ds Max 2016 For Beginners A Tutorial Approach is applied in specialized fields, such as education, business, and technology.
- 6. In chapter 5, this book will draw a conclusion about Autodesk 3ds Max 2016 For Beginners A Tutorial Approach. The final chapter will summarize the key points that have been discussed throughout the book.

  The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly
  - recommended for anyone seeking to gain a comprehensive understanding of Autodesk 3ds Max 2016 For Beginners A Tutorial Approach.

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