

Model Rig Animate With 3ds Max 5

Model, Rig, Animate with 3ds Max 7 New Riders Pub

Gracias a sus completas herramientas el programa 3ds max es el favorito de muchos animadores dedicados al diseño de juegos y efectos cinematográficos. La nueva versión 7 aporta novedades en la animación de personajes y en los efectos visuales que satisfacen las necesidades de los creativos más exigentes. Este libro presenta los principios básicos de modelado, rigging y animación de personajes creados a partir de polígonos sencillos, usando el programa 3ds max 7. Aprenderá a crear cualquier personaje basándose en las características estándares de armazón estructural de la aplicación. Esta obra ha sido diseñada para que pueda realizar un proyecto completo, recorriéndolo de principio a fin. Se inicia modelando un personaje de polígono sencillo, pasa por la creación estructural utilizando controles personalizados y culmina con la animación del personaje. El CD-ROM adjunto contiene los archivos para seguir los ejercicios. También proporciona muestras de animaciones.

Draws on interviews with leading professionals to provide a crash course in the different skills video game artists need, in a work that features screenshots from popular games, step-by-step game art lessons, and portfolio samples.

A guide to creating game characters covers such topics as modeling, texturing, mesh optimization, mapping, and animation.

Start modeling right away with this hands-on guide to learning Autodesk Maya 2016 Introducing Autodesk Maya 2016 is the official guide to the most popular and complex 3D application on the market. Building from the ground up, this book combines straightforward text with practical examples that make it easy to absorb the basics and start designing and animating your own digital models and scenes. The tutorials offer realistic challenges and clear explanations, laid out in fun, step-by-step lessons that help you gain confidence and learn by doing. You'll delve into CG and 3D core concepts and production workflows, then get right to work designing an animation of the solar system as you learn the interface and basic tools. As your modeling skills grow, you'll build a steam locomotive, a starfish, a table lamp, and much more as you learn to rig your model for animation, create fabric motion with nCloth, and add the lighting and effects that bring your scenes to life. The companion website features downloadable project files that help you see how the pros do it, and the book includes real-world examples from talented users who were beginners just like you. Master the Maya 2016 interface, menus, and plug-ins Begin building simple animations right away Explore modeling, rendering, animation, and cloth motion Add lighting, rendering, dynamics, simulations, and effects If you want to work like the pros, Introducing Autodesk Maya 2016 is the perfect primer for getting started.

Expand your animation toolkit and remain competitive in the industry with this leading resource for 2D and 3D character animation techniques. Apply the industry's best practices to your own workflows and develop 2D, 3D and hybrid characters with ease. With side by side comparisons of 2D and 3D character design, improve your character animation and master traditional principles and processes including weight and balance, timing and walks. Develop characters inspired by humans, birds, fish, snakes and four legged animals. Breathe life into your character and develop a characters personality with chapters on acting, voice-synching and facial expressions. Expertly integrate core animation techniques with your software of choice featuring step-by-step tutorials, highlighting 3ds Max, Maya and Blender workflows. Adapt the tips, tricks and techniques for unique projects like character design for rotoscoping and motion capture. Advance beyond the fundamentals of 2D and 3D character animation with the companion website which includes short demonstration movies, 2D and 3D exercises and fully rigged character models.

In this book "you'll learn not only a state-of-the-art 3D program, but also a modeling production pipeline for the next generation of video game engines. You'll work through a single, clearly structured project to create a 3D character that can be played in most real-time 3D game engines with specific focus on the Unreal engine. You'll also discover spline modeling, the new pipeline for real-time asset creation, to create a low-detail model that can be refined and given greater detail with ease." - back cover.

A detailed guide to the complex new animation tools in Unity, packed with clear instructions and illustrated with original content in the context of a next generation zombie apocalypse adventure game About This Book Create and export models and animation sequences to Unity from 3ds max and Maya Prepare character models and animation for games using Mecanim's rigging tools Retarget, adjust, and mix and match motion capture and other animation data Write and edit scripts compatible with Mecanim Animation Controllers Who This Book Is For If you are a Unity developer looking to get to grips with the character animation specific tools, a 3D software user who is new to Unity, or a beginner game developer who is interested in character animation and interaction, this book is ideal for you. Some experience with either the Unity interface or basic 3D coordinates is recommended, but not required. What You Will Learn Learn how to prepare a rigged character model to receive animation within Unity Acquire efficient techniques to refine and optimize motion capture data Retarget animation sequences between different character rigs Discover how to rig a humanoid character and export for use in Unity Script character interaction for a First Person character model Create dynamic animation sequences from scratch using keyframe techniques, in a variety of 3D software packages Learn Project Management in Unity Understand how to set up a complex facial rig for speech Set up Animation Controllers with masked states and blend trees to create seamless and additive animation transitions Construct a ragdoll game object and instantiate it in a game Devise Mecanim animation integration for the player and AI driven animation for enemy characters In Detail Game animation for independent developers has taken a giant leap forward with Unity 5's Mecanim toolset, which streamlines the import/export, retargeting, and many other aspects of the character animation workflow. Unity Character Animation with Mecanim is a great primer for getting to know the nuts and bolts of Mecanim and other character animation related tools in Unity 5. It offers you step-by-step instructions for preparing and exporting rigged models and animation sequences from commonly used 3D packages, such as Maya, 3ds Max and Blender. This book explores the new set of animation tools introduced with Mecanim in Unity 5. Approaching its subject matter through a typical genre—a zombie action game, character animation techniques are explored using real examples of player input and interaction, enemy behavior, and other aspects of game dynamics. As the book progresses, the reader will understand how these elements fit together in a small game development workflow. We will begin with a demonstration of the process of getting a rigged character into Unity 5 and setting it up to use provided animation sequences. We will also consider a few industry standard 3D packages and how these can be used to rig a humanoid character for use in Unity 5. We will demonstrate the retargeting capabilities of Mecanim's Humanoid Animation type by adjusting motion sequences to fit disparate character types in our game. After this, we will look at Ragdoll physics and the implementation of this commonly used technique in a Mecanim workflow. The book culminates with a thorough dissection of the enemy character AI script incorporating the Mecanim elements detailed in the previous chapters. Unity Character Animation with Mecanim will provide you with a detailed exploration of the interaction between game development and character animation, and will broaden your understanding of the rich animation toolset within Unity 5. Style and approach A comprehensive guide, featuring step-by-step practical tutorials using sample assets, showing you how to build fully controllable characters and non-player characters/enemies.

As a textbook for learning the fundamentals of modeling, rigging and animating 3D-modeled characters for use in video games, this step-by-step lesson book builds on the reader's modeling skills acquired from reading Volume I. The reader will model characters for the Castle Environment created in Volume I, which will be rigged using the Character Animation Toolkit (CAT) in 3ds Max and animated with game moves. The Skin Modifier is used for associating the meshes to the rigs and the characters are then exported to the Unity game engine and integrated into the Castle Scene with a Third Person Character camera. As the text introduces new modeling skills, it additionally calls on the reader to perform repetitive tasks, reinforcing skills learned in the process. The content is presented as if the reader is in a working video

game studio, being responsible for researching asset design and providing the team with placeholder assets and final model assets that are unwrapped and custom textured using both box mapping and the 3ds Max Quick Peel tool. Although the text uses Autodesk 3ds Max for the modeling program, the principles are transferable to other major modeling programs. Key Features: The goal of this book is to teach the fundamentals of 3D modeling video game characters in a simplified, logical progression optimized for learning at a beginner level. Rigging principles (Linking, Inverse Kinematics [IK], Forward Kinematics [FK], Skin Deformation, Weighting Vertices and more) are introduced in a gradual progression to allow maximum comprehension and retention. This series of modeling exercises is the result of having successfully taught over 1000 video game students the fundamentals of 3D modeling. This complete, clearly written and concise text is written for self-paced learning, helping those instructors who might not be fully trained in 3D modeling and those interested in self-teaching. Includes instructions and project files for exporting the finished project environment into the 3D game engine, Unity. A companion site (www.3dsMaxBasics.com) includes working 3ds Max project files for chapters, notes and corrections, a 3ds Max user interface, 3ds Max shortcut keys and more.

In a follow-up book, which re-iterates the principles of "Digital Creature Rigging: The Art & Science of CG Creature Setup in 3ds Max", and enhances their relativity with advanced wing, tail and tentacle setups. This book will discuss advanced rigging techniques in 3ds Max, while readers create a fish, octopus and a Game of Thrones style dragon! Key Features This is the next step in CG creature setups in 3ds Max. Although 3ds Max specific, the techniques and foundations will work for any 3D application. By following the step-by-step guides in this book, you can finish and complete a portfolio-ready. Each chapter will include an introduction and a summary, giving significance to the start and end of each chapter where our readers can rest! This book includes a companion website where chapter supplements and core files and documents could be easily accessed.

Autodesk 3ds Max is the application of choice for professional animators working in game design and film effects because of its amazing set of character animation tools. But while the results these professionals achieve can be stunningly complex, animating characters with 3ds Max doesn't have to be hard. Its powerful Biped module, with pre-linked and realistically constrained skeletons and its suite of motion tools, dramatically speeds up the animation process. The easy-to-follow instructions in this book will have you animating your own characters in just a few hours.

The second edition of Game Anim expands upon the first edition with an all-new chapter on 2D and Pixel Art Animation, an enhanced mocap chapter covering the latest developments in Motion Matching, and even more interviews with top professionals in the field. Combined with everything in the first edition, this updated edition provides the reader with an even more comprehensive understanding of all areas of video game animation – from small indie projects to the latest AAA blockbusters. Key Features • New 2nd Edition Content: An all-new chapter on 2D and Pixel Art Animation, Motion Matching, and more • 20 Years of Insight: Accumulated knowledge from 2 decades of experience in all areas of game animation. • The 5 Fundamentals: Reinterprets the classic 12 animation principles and sets out 5 new fundamentals for great game animation. • Full Production Cycle: Walks through every stage of a game production from the animator's perspective. • Animator Interviews: Notable game animators offer behind-the-scenes stories, tips, and advice. • Free Animation Rig: Free "AZRI" maya rig, tutorials and other resources on the accompanying website: www.gameanim.com/book About The Author Jonathan Cooper is an award-winning video game animator who has brought virtual characters to life professionally since 2000, leading teams on large projects such as the Assassin's Creed and Mass Effect series, with a focus on memorable stories and characters and cutting-edge video game animation. He has since focused on interactive cinematics in the latest chapters of the DICE and Annie award-winning series Uncharted and The Last of Us. Jonathan has presented at the Game Developers Conference (GDC) in San Francisco and at other conferences across Canada and the United Kingdom. He holds a Bachelor of Design honors degree in animation.

Learning a 3D visualization software is a daunting task under any circumstances and while it may be easy to find online tutorials that tell you what to do to perform certain tasks you'll seldom learn "why" you are performing the steps. This book approaches training from a top-down perspective way you will first learn important concepts of 3D visualization and functionality of 3ds Max before moving into the finer detail of the command structure. By learning how things work and why you might choose one method over another the book will not only teach you where the buttons are, but more importantly how to think about the holistic process of 3D design so that you can then apply the lessons to your own needs. The goal of the learning presented here is to familiarize the new user of 3ds Max with a typical workflow from a production environment from planning to modeling, materials, and lighting, and then applying special effects and compositing techniques for a finished product. * Learn 3D fundamentals while creating beautiful, inspiring projects in 3ds Max * Create a project start-to-finish with Max guru Ted Boardman--and when you're done, realize that you can apply the lessons you've learned to your own projects * Get extensive project files on the companion website, as well as more content with specific instruction useful to YOUR Max uses * Bypass confusion: Don't overload on page 1, but be led through this complex application in a logical step-by-step manner

Provides instructions on modeling a low-polygon character, creating a rig, and animating the character.

Step by step illustrated tutorials are supported by a focused commentary. The examples are designed to proceed from starting to model through model finishing to putting models to work within projects and presentation. The book shows both - the entire flow of asset creation and granular methodology. This book will appeal to anyone interested in 3D modeling who wants to improve their speed modeling ability, particularly artists whose work is relevant to industries where hard surface modeling or model prototyping is required, such as games, films, or visualization.

Gain a thorough understanding of animation and character rigging using Autodesk 3ds Max to create realistic character animations. This book is split into three modules that are subsequently divided into chapters. The first module is the foundation module: in this module you'll cover, among other topics, the 12 cardinal principles of animation with reference to classic real-world examples and famous movies/animation shots. Using these, the further chapters explore using key frames and graph editors to obtain fluid motion in your animations. Practical examples are used to better explain which feature suits a particular scenario. The second module, called the backbone module, introduces you to deformation tools and their use for character animation. Further chapters cover driven animations, constraints posed by bones, bipeds, and the CAT tools available in 3ds Max 2019. The final module, the lifeline module, encourages you to bring your character to life by applying principles learnt in the previous modules. Here you will be guided on how to retarget animations from one character to other characters or rigs. On completing Character Rigging and Advance Animation, you will be able to create character rigs for bipeds and quadrupeds with ease, animating them with life-like motion. What You Will Learn Understand the 12 principles of animation Set up an animation-ready character rig from scratch Master the deformation tools available for animation Who This Book Is For Readers who are familiar with 3ds Max at a basic level and are looking at getting into character rigging and animation.

A recipe-based guide to give you practical information on Unity 5.x animation techniques and tools About This Book A straightforward and easy-to-follow format. A selection of the most important tasks and problems. Carefully organized instructions to solve problems efficiently. Clear explanations of what you did. Solutions that can be applied to solve real-world problems. Who This Book Is For This book is for Unity developers who have some exposure to Unity game development who want to learn the nuances of animation in Unity. Previous knowledge of animation techniques and mecanim is not necessary. What You Will Learn Importing animations to Unity Work with different animation assets and components Create, visualize, and edit animated creatures Animating game cut scenes Design character actions and expressions Create gameplay by animating characters and

environments Use animations to drive in-game logic In Detail This recipe-based practical guide will show you how to unleash the power of animation in Unity 5.x and make your games visually impeccable. Our primary focus is on showing you tools and techniques to animate not only humanoid biped characters, but also other elements. This includes non-humanoid character animation, game world creation, UI element animation, and other key features such as opening doors, changing lights, transitioning to different scenes, using physics, setting up ragdolls, creating destructible objects and more. While discussing these topics, the book will focus on Mecanim, the Unity 3D animation tool, and how you can use it to perform all these tasks efficiently and quickly. It contains a downloadable Unity project with interactive examples for all the recipes. By the end of this book, you will be confident and self-sufficient in animating your Unity 3D games efficiently. Style and approach This practical no-nonsense guide is recipe-based with real-world examples of almost all the techniques mentioned.

Teaches how to use Maya to create three-dimensional animation projects, including focusing on such topics as lighting, modeling, and character skinning.

Updated version of the bestselling 3ds Max book on the market Used by more than 150,000 people, and the winner of more than 65 industry awards, 3ds Max is the world's most popular animation modeling and rendering software for film, television, video games, and design visualization. 3ds Max Bible is the world's most popular book for getting the most out of the software. Whether a novice looking to create something immediately using the Quick Start tutorial, or an experienced 3ds Max user who simply wants to check out the software's latest and greatest features, this update to the bestselling 3ds Max book on the market continues to be the most comprehensive reference on this highly complex application. Packed with expert advice, timesaving tips, and more than 150 step-by-step tutorials 16-page color insert highlights the work of some of today's most cutting-edge 3D artists Includes a companion DVD with a searchable, full-color version of the 3ds Max Bible, as well as customizable models and textures The only comprehensive reference-tutorial on 3ds Max, it's no wonder the 3ds Max Bible is the bestselling 3ds Max book in the world and a favorite of both amateur and professional animators. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Finally bridge the gap between software-specific instruction and the world of classical animation with this easy to utilize, one-of-a-kind reference guide. With great relevance for today's digital workflows, Richard Lapidus presents innovative 3ds Max controls to the classical principles of animation like squash and stretch, anticipation, staging and more. Move beyond these fundamental techniques and explore both the emotion and technical sides of animation with character appeal and rigging. Features a robust companion web sites that include demonstrations, project files, links to further resources, available at www.tradigital3dsmax.com. The essential fundamentals of 3D animation for aspiring 3D artists 3D is everywhere--video games, movie and television special effects, mobile devices, etc. Many aspiring artists and animators have grown up with 3D and computers, and naturally gravitate to this field as their area of interest. Bringing a blend of studio and classroom experience to offer you thorough coverage of the 3D animation industry, this must-have book shows you what it takes to create compelling and realistic 3D imagery. Serves as the first step to understanding the language of 3D and computer graphics (CG) Covers 3D animation basics: pre-production, modeling, animation, rendering, and post-production Dissects core 3D concepts including design, film, video, and games Examines what artistic and technical skills are needed to succeed in the industry Offers helpful real-world scenarios and informative interviews with key educators and studio and industry professionals Whether you're considering a career in as a 3D artist or simply wish to expand your understanding of general CG principles, this book will give you a great overview and knowledge of core 3D Animation concepts and the industry.

3ds Max is the leading 3D modeling, animation, and rendering solution for artists, schools, and production environments. The unique tutorial approach of this book permits readers to learn essential techniques that every 3D artist needs to create CG environments by recreating the earth's elements of earth, air, fire and water. No extra plug-ins are required to perform the exercises. Draper studies the real world and then simulates it with 3ds Max -a unique approach that reflects classical art training. "Deconstructing the Elements" allows artists to re-create natural effects using Autodesk® 3ds Max®. This new edition boasts all new tutorials. All editorial content is updated to be current with the current version of 3ds Max. Inspirational images cover every page as the author shares his professional insight, detailing the how and why of each effect, ensuring the reader a complete understanding of all the processes involved. The companion web site includes all of the tutorials from the previous two editions, only available to purchasers of this 3rd edition - plus all new tutorials of the current edition. It's like getting 3 books in one! With 18 years under his belt in the game industry, a key contributor to the MotorStorm series, and the creator of the 3ds Max in Minutes video series (at FocalPress.com), Andrew Gahan delivers the expert techniques in 3ds Max Modeling for Games, 2nd edition. This updated edition is packed with new tutorials that will enhance your modeling skills and pump up your portfolio with high-quality work in no time. Along with Anthony O'Donnell and a team of experts, Gahan covers all of the fundamental game modeling techniques, including character and environment modeling, mapping, and texturing. Finally, a bonus section in 3ds Max Modeling for Games offers readers insights and tips on how to get their careers started in the game industry. New, expanded tutorials take readers of all abilities through full character and environment modeling from beginning to end Companion website (3d-for-games.com) offers a robust, supportive forum where readers can get commentary on new work, develop skills and portfolio art, as well as network with other game artists on a variety of projects. Also features project files for all tutorials in the book and enough support images and photos to keep the budding artist busy for months Completely updated gallery allows the reader to build on various models

Full Color! In just 24 sessions of one hour or less, Sams Teach Yourself 3ds Max in 24 Hours will help you master Autodesk 3ds Max 2014 and use it to create outstanding 3D content for games, video, film, and motion graphics. Using this book's straightforward, step-by-step approach, you'll master powerful 3ds Max tools for modeling, animation, rendering, compositing, and more. Every lesson builds on what you've already learned, giving you a rock-solid foundation for real-world success! Step-by-step instructions carefully walk you through the most common 3ds Max tasks. "Try It Yourself" guided mini tutorials offer quick hands-on experience with 3ds Max's key tools. Quizzes and exercises test your knowledge. Notes, tips, and cautions offer extra information and alert you to possible problems. Learn how to... Quickly get comfortable with the 3ds Max 2014 interface Create, move, and modify 3D objects Edit and tweak the elements of any object Start modeling hard-surface and organic objects Work with materials and textures Explore and create animation Illuminate scenes with lighting Use cameras to control a scene's point of view Render 3D creations for production Rig and skin objects, making them easier to animate Learn the 12 essential principles of character animation Create devastating dynamic simulations Add visual effects, cloth, hair, and fur Automate repetitive tasks with

MAXScript Create a professional-quality showcase The accompanying DVD/website contain how-to videos for dozens of key 3ds Max 2014 tasks, extensive sample art and models, and additional bonus content.

Learning Autodesk® 3ds Max® 2008 | Foundation is your shortcut to learning 3ds Max quickly and effectively. You'll get hands-on experience with the key tools and techniques through easy-to-follow, step-by-step project-based lessons, while learning to model, animate, apply materials and render in both the games & design visualization pipelines. By the end of the book you'll have a sense of the entire production process as you work on real-life production examples. Whether you're a game artist or a graphic artist, Autodesk® 3ds Max® 2008 has the tools you need to succeed. Game Artists will gain in-depth knowledge of the world-class Biped character animation toolset, unparalleled polygon modeling and texturing workflow. Design Visualization Specialists such as architects, designers, and graphic artists, will gain the power to visually inform the design process through conceptual exploration, design validation and visual communication. Bonus features included on DVD: . Link to a 30-day trial of Autodesk® 3ds Max® software . Bonus short films and new software feature demos . Autodesk 3ds Max hotkeys reference guide . Free models from Turbo Squid worth \$160 . Autodesk® 3ds Max® 2008

Get an inside look at the creation of production-ready creature rigs for film, TV and video games. Garner strategies and techniques for creating creatures of all types, and make them ready for easy automatic use in many different types of media (transmedia): film, TV, games - one rig for all. You will move step by step from idea, to concept, and finally to completion through a proven production-pipeline. "Digital Creature Rigging" gives you the practical, hands-on approaches to rigging you need, with a theoretical look at 12 rigging principles, and plenty of tips, tricks and techniques to get you up and running quickly. This is the definitive guide to creating believable production-ready creature rigs with 3ds Max. The companion web site has all scene files, scripts, tutorials from the book.

Whether you're a professional Character TD or just like to create 3D characters, this detailed guide reveals the techniques you need to create sophisticated 3D character rigs that range from basic to breathtaking. Packed with step-by-step instructions and full-color illustrations, *Body Language* walks you through rigging techniques for all the body parts to help you create realistic and believable movements in every character you design. You'll learn advanced rigging concepts that involve MEL scripting and advanced deformation techniques and even how to set up a character pipeline.

Have you ever wanted to try your hand at cartoony computer animation? Then look no further... *Cartoon Character Animation with Maya* will help you create just that, guiding you through every step of the process including how to incorporate multiple limbs, smears, motion lines and staggers seamlessly into your animation. From planning to posing to polish, you'll learn how to make the most of breakdowns, take the terror out of tangent types and overcome the oft-feared graph editor. Each chapter includes insight and advice from world-leading character animators, and the companion website, www.bloomsbury.com/Osborn-Cartoon-Animation, includes a short animation featuring the star of the book, Mr. Buttons. There's also a specially created rig of Mr. Buttons for you to animate with, as well as walk-through videos demonstrating key techniques. Everything you need to help you animate your own cartoony creations! Includes interviews with: Ken Duncan, *Beauty and the Beast*, *Aladdin*, 9; Jason Figliozzi, *Wreck it Ralph*, *Frozen*, *Big Hero 6*; T. Dan Hofstedt, *Pocahontas*, *Mulan*, *Planes*; Ricardo Jost, *The Nut Job*, *The Snow Queen 2*; Pepe Sánchez, *Pocoyo*, *Jelly Jamm*; Matt Williams, *Looney Tunes: Back in Action*, *The Princess and the Frog*

Offers information and instruction on using Autodesk's 3ds Max software, including advice on modeling, texturing, rigging, animating, and lighting.

Explains how to utilize 3ds max and Character Studio to animate game characters in real-time, demonstrating a wide variety of programming techniques and tools, along with design, modeling, texturing, sound effects, rigging and keyframing, motion capture, and other useful topics. Original. (Intermediate)

Create high-quality 3D animations and models by using the basic concepts and principles of 3D art presented by GeekAtPlay.com's Ami Chopine. This handy studio reference breaks down the core concepts into easy-to-understand segments and teaches you the 'why' in addition to the 'how.' Using application agnostic step-by-step tutorials, this book teaches you how to model, pose, and texture your creations as well as scenery creation, animation, and rendering. Learn which applications are best for your needs and how you can get started making money in the 3D field. The companion website includes video tutorials, models, project files, and other resources. This book is endorsed by Daz3d.com and includes exclusive Daz3d models.

Design a complete workflow with Blender to create stunning 3D scenes and films step-by-step! About This Book Give life to a character within a full animated short film by learning the rigging and animation process Make use of the powerful tools available in Blender to produce professional-quality 3D characters and environments Discover advanced techniques by adding fur to a character, creating a grass field, and fine-tuning a shot with post-processing effects to enhance your creations Who This Book Is For This book will give any beginner the necessary skills and knowledge to create own 3D projects with Blender. You don't need to have any previous experience in 3D modeling, but if you do, then this book is a great way get you started with Blender. This book is for anyone who wants to learn Blender by creating concrete projects. What You Will Learn Understand the basics of 3D and how to navigate your way around the Blender interface Create a 3D robot toy model from start to finish using the basic modeling tools of Blender Make a full alien character using the skin mesh modifier and the sculpting tools with an artistic approach Use re-topology techniques to create a clean 3D version of the previously sculpted alien Model a full haunted house and its environment using more advanced modeling tools and techniques such as the Array Modifier, Instance duplication, or Curves Discover the power of the texture paint tool in order to add color to the haunted house Get to know the Cycles render engine by creating different materials for the house and the environment In Detail Blender is a powerful tool, stable, with an integral workflow that will allow you to understand your learning of 3D creation with serenity. Today, it is considered to be one of the most complete 3D packages on the market and it is free and open source! It is very efficient for many types of productions, such as 3D animated or live action films, architecture, research, or even game creation with its integrated game engine and its use of the Python language. Moreover, Blender has an active community that contributes to expanding its functionalities. Today, it is used in many professional products and by many companies. Through this book, you will create many types of concert projects using a step-by-step approach. You will start by getting to know the modeling tools available in Blender as you create a 3D robot toy. Then, you will discover more advanced techniques such as sculpting and re-topology by creating a funny alien character. After that, you will create a full haunted house scene. For the last project, you will create a short film featuring a rat cowboy shooting cheese in a rat trap! This will be a more complex project in which you learn how to rig, animate, compose advanced material, composite, and edit a full sequence. Each project in this book will give you more practice and increase your knowledge of the Blender tools. By the end

of this book, you will master a workflow that you will be able to apply to your own creations. Style and approach This is an easy-to-follow book that is based on four concrete projects, with increasing levels of difficulty. Each chapter will teach you how to create these projects step-by-step. New tools and techniques are introduced in a theoretical and practical way, so you can apply them in your own projects later.

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Master the Newest Blender Techniques for Creating Amazing 3D Characters: From Design and Modeling to Video Compositing Now fully updated for Blender 2.78b and beyond, Learning Blender, Second Edition, walks you through every step of creating an outstanding 3D animated character with Blender, and then compositing it in a real video using a professional workflow. This edition covers the powerful new selection and modeling tools, as well as high-efficiency improvements related to other parts of the project such as texture painting, shading, rigging, rendering, and compositing. Still the only Blender tutorial to take you from preproduction to final result, this guide is perfect for both novices and those moving from other software to Blender (open source and free software). Author Oliver Villar provides full-color, hands-on chapters that cover every aspect of character creation: design, modeling, unwrapping, texturing, shading, rigging, animation, and rendering. He also walks you through integrating your animated character into a real-world video, using professional camera tracking, lighting, and compositing techniques. The rich companion website (blendtuts.com/learning-blender-files) will help you quickly master even the most complex techniques with bonus contents like video tutorials. By the time you're done, you'll be ready to create outstanding characters for all media—and you'll have up-to-date skills for any 3D project, whether it involves characters or not. Learn Blender's updated user interface, navigation, and selection techniques Create your first scene with Blender and the Blender Render and Cycles render engines Organize an efficient, step-by-step pipeline to streamline workflow in any project Master modeling, unwrapping, and texturing Bring your character to life with materials and shading Create your character's skeleton and make it walk Use Camera Tracking to mix 3D objects into a real-world video Transform a raw rendered scene into the final result using Blender's compositing nodes Register your product at informit.com/register for convenient access to downloads, updates, and corrections as they become available.

An overview of 3D animation offers a practical tutorial in the fundamentals of 3D graphics and animation, covering such topics as modeling, surfacing/texturing, animating, lighting, and rendering, taking readers through the entire production process from preproduction concept to postproduction editing, compositing, and distribution. Original. (Intermediate)

Model, Rig, Animate! with 3ds max 6 shows you how to model your own low-polygon character, set up a custom rig, and animate the character. Learn step-by-step with clear instructions and tutorials. By the end of this book, you'll be able to model, rig, and animate characters of your own design.

A textbook for learning 3d modeling fundamentals, this step-by-step lesson book develops the readers modeling skills through a series of modeling exercises creating modules for a medieval castle environment. As the text introduces new modeling skills it additionally calls on the reader to perform repetitive tasks, reinforcing skills learned in the process. The content is presented as if the reader is in a working video game studio, being responsible for researching asset design, providing the team with placeholder assets, and final model assets that are unwrapped and custom textured. Upon completion of the modeling projects, the modeled environment is exported to the Unity game engine for use in a real game environment, Although the text uses Autodesk 3ds Max for the modeling program, the principals are transferable to other major modeling programs. Key Features: The goal of this book is to teach the fundamentals of 3d modeling video game assets in a simplified, logical progression, optimized for learning at a beginner level. This series of modeling exercises is the result of having taught over one thousand video game students the fundamentals of 3d modeling. Often, teachers are not fully trained in teaching the concepts of 3d modeling. This text, written for self-paced learning helps those instructors. Includes instructions and project files for exporting the finished project environment into a 3d game engine, Unity. Appendices include additional 3ds Max tool instructions. A companion site includes working 3ds Max project files for Chapters, a 3ds Max user interface and 3ds Max short cut keys and more.

Great guide to the fundamentals of Autodesk 3ds Max 2014 This Autodesk Official Press guide is just what you need to learn the basics of Autodesk 3ds Max 2014 quickly and easily. Through a series of cool projects like designing an alarm clock, animating a thrown knife, or lighting a scene, you'll learn the essentials of modeling, rigging, animating, and rendering using the popular Autodesk 3ds Max 3D animation and effects software. It's a practical, hands-on approach allowing you to constantly reinforce skills as you learn them. Downloadable before-and-after project files let you to compare your work to that of 3ds Max professionals. Even if you already have experience with 3ds Max, this book is a great reference for renewing your skills. And, it will help all users review and prepare for the Autodesk 3ds Max 2014 certification exams. Helps beginners and those migrating from other 3D animation and effects programs get up and running on Autodesk 3ds Max 2014 Features a realistic, task-based approach, so readers learn via a series of hands-on projects using downloadable files, all backed with ample instruction, explanation, and illustration Covers modeling, rigging, animating, rendering, skinning, architectural visualization, and more Written by Autodesk Authorized Authors and is an Autodesk Official Press book Get firsthand experience with 3ds Max, as well as a good start on preparing for the Autodesk 3ds Max 2014 Certified Professional exam, with Autodesk 3ds Max 2014 Essentials.

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