Unity Character Animation with Mecanim

Jamie Dean



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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 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.

What You Will Learn

- 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 it for use in Unity
- Create dynamic animation sequences from scratch, using keyframe techniques, in two industry standard 3D software packages
- Understand how to set up a complex facial rig for speech
- Construct a ragdoll game object and instantiate it in a game
- Devise Mecanim animation integration for player and AI-driven animation for enemy characters
- Develop command-line applications and explore the key data structures and libraries

In Detail

Game animation for independent developers has taken a giant leap forward with Unity's Mecanim toolset, which streamlines 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. This book explores the new set of animation tools introduced to Unity with Mecanim, to replace the older animation component-based system in Unity, which relied heavily on scripting to determine animation sequencing.

This book 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.

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From reader reviews:

Carey Gilliam:

The experience that you get from Unity Character Animation with Mecanim is the more deep you digging the information that hide within the words the more you get serious about reading it. It does not mean that this book is hard to comprehend but Unity Character Animation with Mecanim giving you buzz feeling of reading. The article author conveys their point in selected way that can be understood by anyone who read it because the author of this publication is well-known enough. That book also makes your personal vocabulary increase well. That makes it easy to understand then can go along, both in printed or e-book style are available. We advise you for having that Unity Character Animation with Mecanim instantly.

Kristen Blasingame:

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