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## Learning Three Js The Javascript 3d Library For WebGL Second Edition

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Learning Three Js The Javascript

"Learning Three.js: The JavaScript 3D Library for WebGL" is a practical, example-rich book that will help you to master all the features of Three.js. With this book, you'll learn how to create and animate gorgeous looking 3D scenes directly in your browser utilizing the full potential of WebGL and modern browsers without having to learn WebGL. "Learning Three.js: The JavaScript 3D Library for WebGL" starts by going over the basic concepts and building blocks used in Three.js.

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Learning Three.js: The JavaScript 3D Library for WebGL ...

"Learning Three.js: The JavaScript 3D Library for WebGL" is a practical, example-rich book that will help you to master all the features of Three.js. With this book, you ' ll learn how to create and animate gorgeous looking 3D scenes directly in your browser utilizing the full potential of WebGL and modern browsers without having to learn WebGL. "Learning Three.js: The JavaScript 3D Library for WebGL" starts by going over the basic concepts and building blocks used in Three.js.

Learning Three.js: The JavaScript 3D Library for WebGL ...

Learning Three.js – the JavaScript 3D Library for WebGL, Second Edition, is a practical, example-rich book that will help you learn about all the features of Three.js. This book will show you how to create or load models from externally created models and realistic-looking 3D objects using materials and textures.

Learning Three.js – the JavaScript 3D Library for WebGL ...

Three.js makes creating 3D computer graphics on a web browser a piece of proverbial cake, and this practical tutorial makes it easier still. All you need to know is basic JavaScript and HTML. Learning Three.js: The JavaScript 3D Library for WebGL

Learning Three.js: The JavaScript 3D Library for WebGL

"Learning Three.js: The JavaScript 3D Library for WebGL" is comprehensive, and deals not only with the most of Three.js, but also with some related tools and libraries (like Physijs). It contains many colorful

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illustrations (at least in e-book editions, can't say for printed version though) which is quite important given the visual nature of the subject. The publisher gave me a review copy of the book.

Learning Three.js: The JavaScript 3D Library for WebGL by ...

Learning Three.js – the JavaScript 3D Library for WebGL, Second Edition, is a practical, example-rich book that will help you learn about all the features of Three.js. This book will show you how to create or load models from externally created models and realistic-looking 3D objects using materials and textures.

Learning Three.js - the JavaScript 3D Library for WebGL ...

The following list shows some of the things that are very easy to do with Three.js: Creating simple and complex 3D geometries Creating Virtual Reality ( VR) and Augmented Reality ( AR) scenes Animating and moving objects through a 3D scene Applying textures and materials to your objects Making use ...

Learn Three.js - Third Edition

“ Learning Three.js is a hands-on guide which provides everything you need to start working with the powerful JavaScript library, and start creating awesome in-browser visualizations ” .Learning Three.js is written for anyone looking to get started with Three.js, or looking to improve their skills with the popular js library.

Learning Three.js: The JavaScript 3D Library for WebGL ...

Three.js is a JavaScript 3D library that offers a wide range of features for creating and displaying stunning 3D computer graphics on a web browser in an intuitive manner using JavaScript without having to deal with the

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complexity of a WebGL low-level API. Even though WebGL makes it possible to create 3D graphics in the browser without having to use plugins, programming WebGL, however, is hard ...

Learning Three.js: The Javascript 3D Library for WebGL ...

Bonus: Machine Learning in Javascript. An excellent series of blog posts by Burak Kanber that goes over some of the machine learning fundamentals. The tutorials are well written, clear, and targeted specifically towards JavaScript developers. A great resource if you want to understand machine learning more in depth.

Conclusion

10 Machine Learning Examples in JavaScript - Tutorialzine

Find helpful customer reviews and review ratings for Learning Three.js: The JavaScript 3D Library for WebGL at Amazon.com. Read honest and unbiased product reviews from our users.

“ Learning Three.js is a hands-on guide which provides everything you need to start working with the powerful JavaScript library, and start creating awesome in-browser visualizations ” .Learning Three.js is written for anyone looking to get started with Three.js, or looking to improve their skills with the popular js library. The book assumes some knowledge of javascript, but you don ’ t need any knowledge of Three.js itself to follow the book.

If you know JavaScript and want to start creating 3D graphics that run in any browser, this book is a great

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choice for you. You don't need to know anything about math or WebGL; all that you need is general knowledge of JavaScript and HTML.

Create and animate stunning 3D browser based graphics with Three.js JavaScript library Key Features Enhance your 3D graphics with light sources, shadows, advanced materials, and textures Load models from external sources, and visualize and animate them directly from JavaScript Create your own custom WebGL shader and explore the postprocessing feature of Three.js Book Description WebGL makes it possible to create 3D graphics in the browser without having to use plugins such as Flash and Java. Programming WebGL, however, is difficult and complex. With Three.js, it is possible to create stunning 3D graphics in an intuitive manner using JavaScript, without having to learn WebGL. With this book, you'll learn how to create and animate beautiful looking 3D scenes directly in your browser-utilizing the full potential of WebGL and modern browsers. It starts with the basic concepts and building blocks used in Three.js. From there on, it will expand on these subjects using extensive examples and code samples. You will learn to create, or load, from externally created models, realistic looking 3D objects using materials and textures. You'll find out how to easily control the camera using the Three.js built-in in camera controls, which will enable you to fly or walk around the 3D scene you created. You will then use the HTML5 video and canvas elements as a material for your 3D objects and to animate your models. Finally, you will learn to use morph and skeleton-based animation, and even how to add physics, such as gravity and collision detection, to your scene. After reading this book, you'll know everything that is required to create 3D animated graphics using Three.js. What you will learn Work with the different types of materials in Three.js and see how they interact with your 3D objects and the rest of the environment Implement the different camera controls provided by Three.js to effortlessly navigate around your 3D scene Work with vertices directly to create snow, rain, and galaxy-like

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effects Import and animate models from external formats, such as OBJ, STL, and COLLADA Create and run animations using morph targets and bones animations Explore advanced textures on materials to create realistic looking 3D objects by using bump maps, normal maps, specular maps, and light maps Interact directly with WebGL by creating custom vertex and fragment shaders Who this book is for The ideal target audience for this book would be JavaScript developers who who wa ...

This book is ideal for anyone who already knows JavaScript and would like to get a broad understanding of Three.js quickly, or for those of you who have a basic grasp of using Three.js but want to really make an impact with your 3D visualizations by learning its advanced features. To apply the recipes in this book you don ' t need to know anything about WebGL; all you need is some general knowledge about JavaScript and HTML.

Create and animate stunning 3D browser based graphics with Three.js JavaScript library Key Features Enhance your 3D graphics with light sources, shadows, advanced materials, and textures Load models from external sources, and visualize and animate them directly from JavaScript Create your own custom WebGL shader and explore the postprocessing feature of Three.js Book Description WebGL makes it possible to create 3D graphics in the browser without having to use plugins such as Flash and Java. Programming WebGL, however, is difficult and complex. With Three.js, it is possible to create stunning 3D graphics in an intuitive manner using JavaScript, without having to learn WebGL. With this book, you ' ll learn how to create and animate beautiful looking 3D scenes directly in your browser-utilizing the full potential of WebGL and modern browsers. It starts with the basic concepts and building blocks used in Three.js. From there on, it will expand on these subjects using extensive examples and code samples. You will learn to create, or load,

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from externally created models, realistic looking 3D objects using materials and textures. You ' ll find out how to easily control the camera using the Three.js built-in in camera controls, which will enable you to fly or walk around the 3D scene you created. You will then use the HTML5 video and canvas elements as a material for your 3D objects and to animate your models. Finally, you will learn to use morph and skeleton-based animation, and even how to add physics, such as gravity and collision detection, to your scene. After reading this book, you ' ll know everything that is required to create 3D animated graphics using Three.js.

What you will learn

- Work with the different types of materials in Three.js and see how they interact with your 3D objects and the rest of the environment
- Implement the different camera controls provided by Three.js to effortlessly navigate around your 3D scene
- Work with vertices directly to create snow, rain, and galaxy-like effects
- Import and animate models from external formats, such as OBJ, STL, and COLLADA
- Create and run animations using morph targets and bones animations
- Explore advanced textures on materials to create realistic looking 3D objects by using bump maps, normal maps, specular maps, and light maps
- Interact directly with WebGL by creating custom vertex and fragment shaders

Who this book is for

The ideal target audience for this book would be JavaScript developers who who want to learn how to use the Three.js library

Presents an introduction to WebGL development and production concepts to create full 3D applications.

If you know JavaScript and want to start creating 3D graphics that run in any browser, this book is a great choice for you. You don't need to know anything about math or WebGL; all that you need is general knowledge of JavaScript and HTML.

Create high-performance, visually stunning 3D applications for the Web, using HTML5 and related



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technologies such as CSS3 and WebGL—the emerging web graphics standard. With this book, you ' ll learn how to use the tools, frameworks, and libraries for building 3D models and animations, mind-blowing visual effects, and advanced user interaction in both desktop and mobile browsers. In two parts—Foundations and Application Development Techniques—author Tony Parisi provides a thorough grounding in theory and practice for designing everything from a simple 3D product viewer to immersive games and interactive training systems. Ideal for developers with Javascript and HTML experience. Explore HTML5 APIs and related technologies for creating 3D web graphics, including WebGL, Canvas, and CSS Work with the popular JavaScript 3D rendering and animation libraries Three.js and Tween.js Delve into the 3D content creation pipeline, and the modeling and animation tools for creating killer 3D content Look into several game engines and frameworks for building 3D applications, including the author ' s Vizi framework Create 3D environments with multiple objects and complex interaction, using examples and supporting code Examine the issues involved in building WebGL-based 3D applications for mobile browsers

If you are interested in creating maps for the web GIS data, this book is for you. Familiarity with D3.js will be helpful but is not necessary.

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