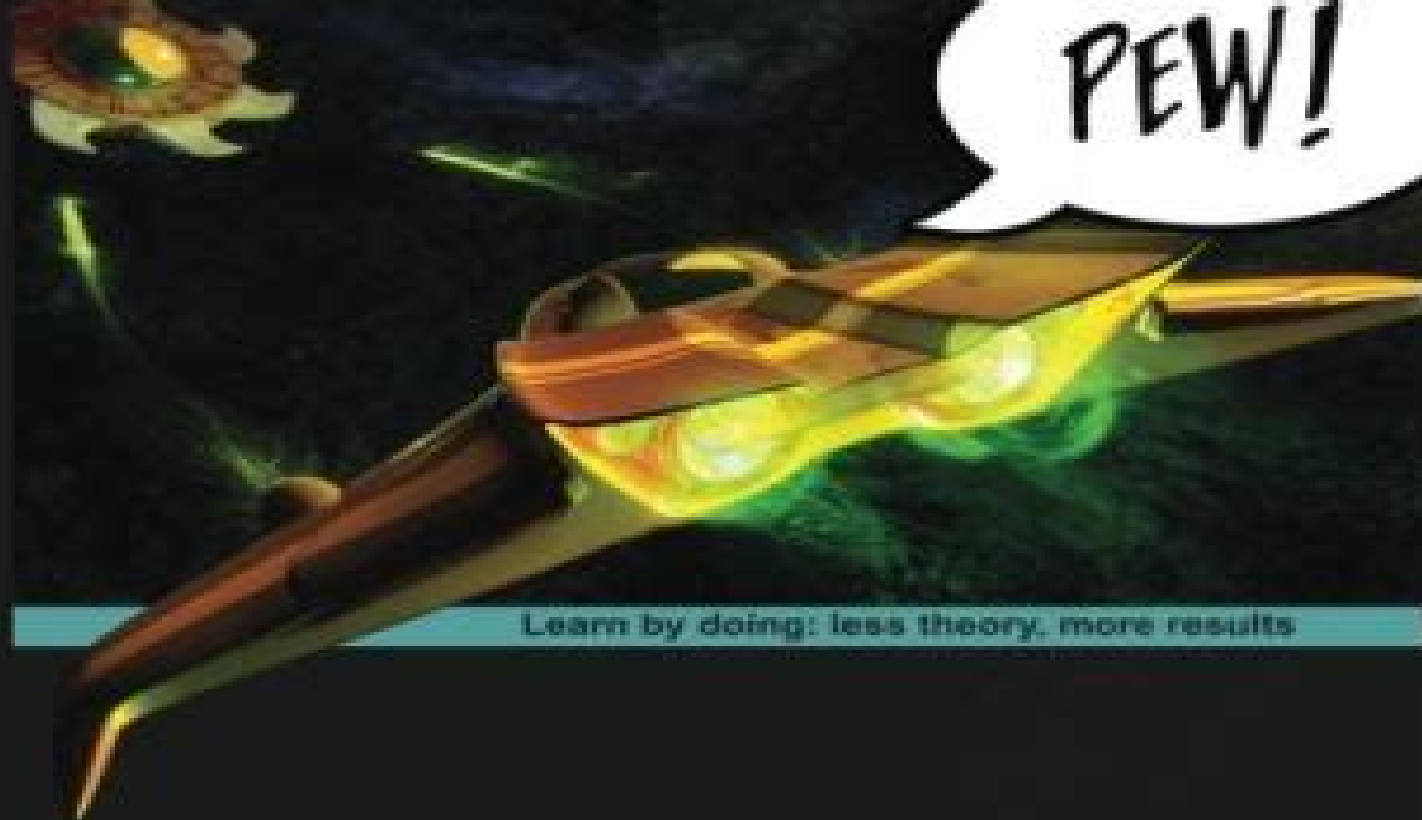




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Beginner's Guide

Ryan Henson Creighton

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and how to implement them You will then learn everything you need to know about where performance bottlenecks can be found why they happen and how to work around them This book gathers a massive wealth of knowledge together in one place saving many hours of research and can be used as a quick reference to solve specific issues that arise during product development Style and approach This book is organized based on the major features of Unity engine and should be treated as a reference guide It is written as a series of investigations into both common and unusual performance pitfalls each including a study on why the bottleneck is causing us problems and a list of enhancements or features that can be used to work around them Differences in effectiveness behaviors or feature sets between Unity 4 x and Unity 5 x will be highlighted **Unity 3.x**

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Beginner game developers are wonderfully optimistic passionate and ambitious But that ambition is often dangerous Too often budding indie developers and hobbyists bite off more than they can chew Some of the most popular games in recent memory Doodle Jump Paper Toss and Canabalt to name a few have been fun simple games that have delighted players and delivered big profits to their creators This is the perfect climate for new game developers to succeed by creating simple games with Unity 3D starting today This book starts you off on the right foot emphasizing small simple game ideas and playable projects that you can actually finish The complexity of the games increases gradually as we progress through the chapters The chosen examples help you learn a wide variety of game development techniques With this understanding of Unity 3D and bite sized bits of programming you can make your own mark on the game industry by finishing fun simple games This book shows you how to build crucial game elements that you can reuse and re skin in many different games using the phenomenal and free Unity 3D game engine It initiates you into indie game culture by teaching you how to make your own small simple games using Unity3D and some gentle easy to understand code It will help you turn a rudimentary keep up game into a madcap race through hospital hallways to rush a still beating heart to the transplant ward program a complete 2D game using Unity s User Interface controls put a dramatic love story spin on a simple catch game and turn that around into a classic space shooter with spectacular explosions and pew sounds By the time you re finished you ll have learned to develop a number of important pieces to create your own games that focus in on that small singular piece of joy that makes games fun This book shoots straight for the heart of fun simple game design and keeps shooting until you have all the pieces you need to assemble your own great games [Unity 3d Game Development by Example Beginner's Guide](#) Ryan Henson

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web there are three basic types of small induction motors split phase single phase shaded pole single phase and polyphase in two pole single phase motors the torque goes to zero at 100 slip zero speed so these require alterations to the stator such as shaded poles to provide starting torque

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web dec 15 2021 figure 1 a single phase induction motor stator produces a pulsating magnetic field rather than a rotating one as in a three phase motor this means there is no torque when the rotor is stationary once it is moving the currents induced in the rotor create a magnetic field that interacts with the pulsating field to produce a torque and thus