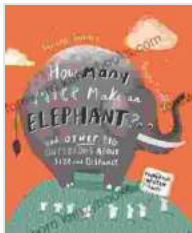


And Other Big Questions About Size And Distance

How big is the universe? How far away is the sun? How small is an atom? These are just a few of the big questions that have fascinated humans for centuries. In this book, we will explore the fascinating world of size and distance, answering these questions and many more.



How Many Mice Make an Elephant?: And Other Big Questions About Size and Distance by Tracey Turner

★★★★☆ 4.7 out of 5

Language : English

File size : 33597 KB

Screen Reader : Supported

Print length : 48 pages



The Size of the Universe

The universe is vast, so vast that it is difficult to even comprehend its size. The observable universe, which is the part of the universe that we can see with our telescopes, is about 93 billion light-years across. This means that it would take light 93 billion years to travel from one end of the observable universe to the other.

But the universe is actually much bigger than the observable universe. Scientists believe that the universe is actually infinite, meaning that it has no end. This is a mind-boggling concept, but it is one that scientists are still trying to understand.

The Distance to the Sun

The sun is the center of our solar system, and it is about 93 million miles away from Earth. This means that it takes light about 8 minutes to travel from the sun to Earth.

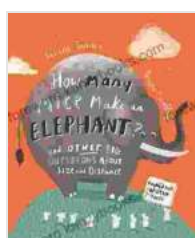
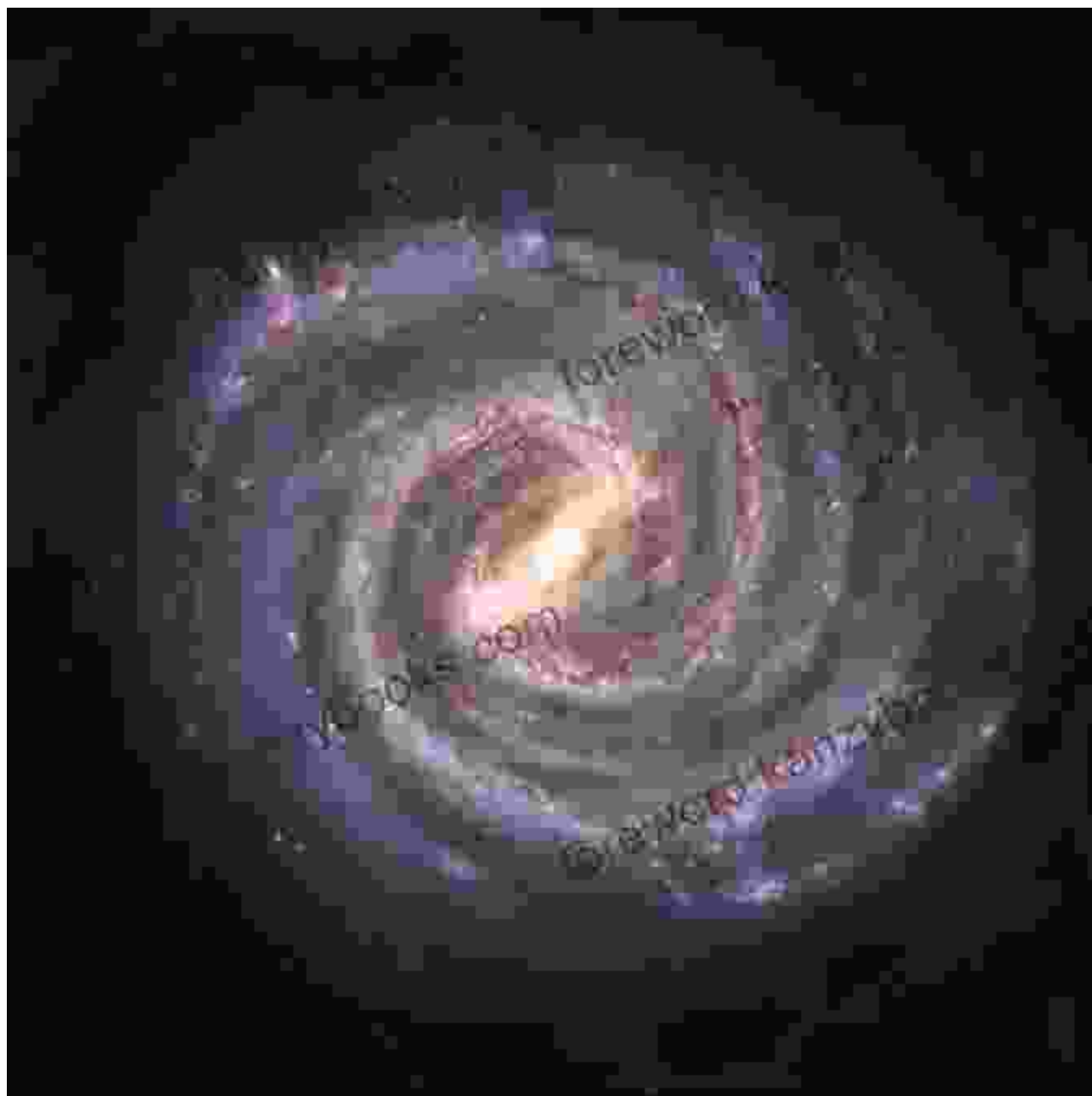
The sun is a very large star, but it is actually quite small compared to other stars in the universe. The largest star that we know of is called VY Canis Majoris, and it is about 1,800 times larger than the sun.

The Size of an Atom

Atoms are the building blocks of matter, and they are incredibly small. The smallest atom, hydrogen, has a diameter of about 0.1 nanometers. This means that it would take about 100 million atoms to line up across the width of a human hair.

Atoms are so small that they can only be seen with a microscope. However, scientists have been able to learn a great deal about atoms by studying the way they interact with light.

The world of size and distance is a fascinating one, and it is full of unanswered questions. In this book, we have explored just a few of these questions, but there are many more that remain to be answered. We hope that this book has inspired you to learn more about the world around you, and we encourage you to continue to ask big questions.



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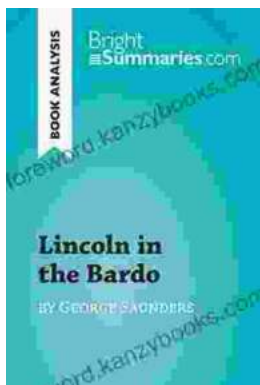
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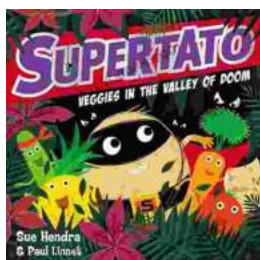
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