



Powers of Ten (Revised) (Scientific American Library Paperback)

By Philip Morrison, Phyllis Morrison, Office of Charles & Ray Eames

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Editorial Review

Amazon.com Review

Back in 1968, designers Charles and Ray Eames made a 10-minute documentary film, titled *Powers of Ten*, showing what the universe looks like at different scales. Philip and Phylis Morrison were scientific advisors on the movie, which Philip narrated, and it was chosen in 1998 for preservation in the National Film Registry, which selects "culturally, historically or aesthetically significant motion pictures" for preservation. The Morrises' book translates the film onto paper.

Starting with a view of a billion light-years, the book (like the film) moves inward, with each page being at one-tenth the scale of the previous one. In 25 steps, you're looking at a picnic by the shores of Lake Michigan, then plunging into a human hand, down through the cells inside it, the DNA inside the cells, the atoms inside the DNA, and the subatomic particles inside the atom. By the time you've gone a total of 40 steps, you're in a world of quantum uncertainty.

There is no better guide to the relative sizes of things in the universe, and no better teacher about what exponential, scientific notation really means. --*Mary Ellen Curtin*

Users Review

From reader reviews:

Sheila Carter:

As people who live in often the modest era should be up-date about what going on or details even knowledge to make these individuals keep up with the era which can be always change and make progress. Some of you maybe can update themselves by looking at books. It is a good choice in your case but the problems coming to a person is you don't know what one you should start with. This Powers of Ten (Revised) (Scientific American Library Paperback) is our recommendation so you keep up with the world. Why, because this book serves what you want and want in this era.

Ardith Bobo:

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Joan McCorkle:

Spent a free time to be fun activity to complete! A lot of people spent their leisure time with their family, or their particular friends. Usually they carrying out activity like watching television, likely to beach, or picnic from the park. They actually doing same task every week. Do you feel it? Do you wish to something different to fill your own personal free time/ holiday? May be reading a book is usually option to fill your cost-free time/ holiday. The first thing you ask may be what kinds of guide that you should read. If you want to try out look for book, may be the e-book untitled Powers of Ten (Revised) (Scientific American Library Paperback) can be good book to read. May be it may be best activity to you.

Steven Jones:

People live in this new morning of lifestyle always aim to and must have the extra time or they will get great deal of stress from both way of life and work. So , if we ask do people have extra time, we will say absolutely of course. People is human not really a robot. Then we ask again, what kind of activity do you have when the spare time coming to you actually of course your answer can unlimited right. Then ever try this one, reading textbooks. It can be your alternative in spending your spare time, often the book you have read is actually Powers of Ten (Revised) (Scientific American Library Paperback).

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