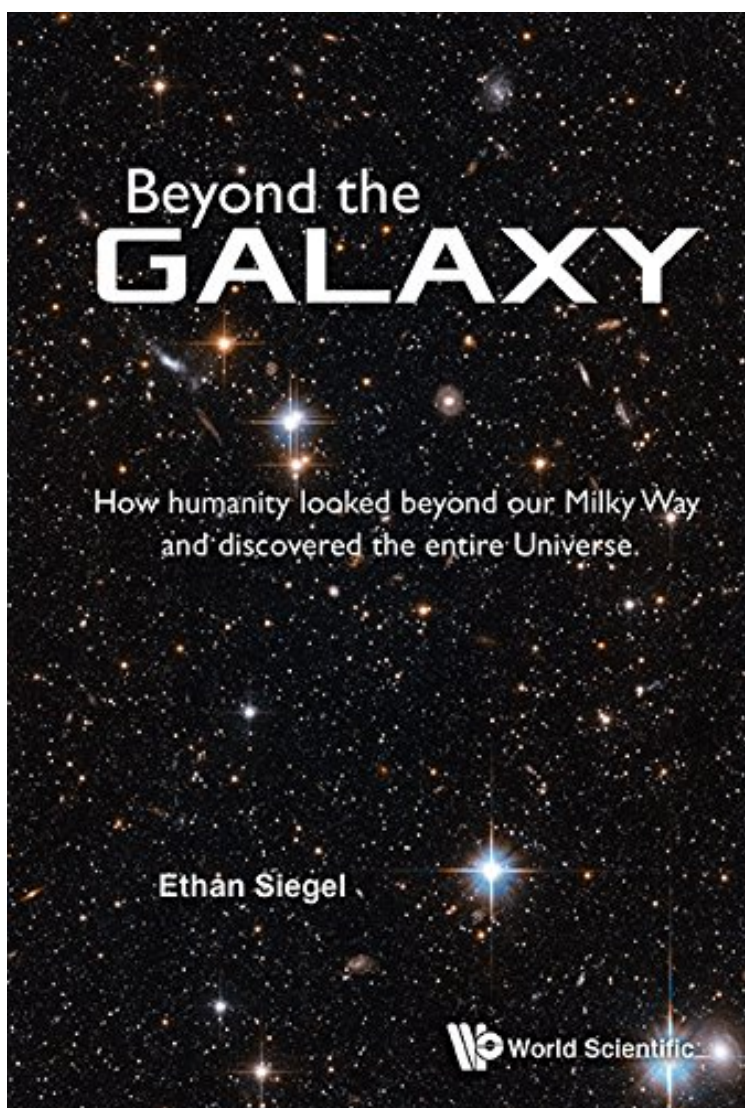


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Beyond the Galaxy:How Humanity Looked Beyond Our Milky Way and Discovered the Entire Universe

Ethan Siegel

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story of how the scientific process works in general. "That's why it must be the first page turner to contain meson diagrams. An excellent primer for beginning space nerds and wannabe astrophysicists of all professions, and a neat reference for the more advanced ones. The best part is that it shows the history and process of how science is made, including wrong assumptions and colorful personalities and simple rules to separate workable from useless theories. ("Can it make novel predictions that would be supported by experiments?") It emphasizes scientific understanding as an evolving process instead of a holy writ - something I happen to find particularly appealing both about this book and about science as my own profession. In addition, the author succeeds in addressing lay audience in a colloquial style that still never doubts the intelligence or logic of the reader. Combine that with the sense of humor and the fact that every time I started thinking "this is confusing, let me draw it out" there was a neat diagram on the very next page... I want a sequel, thank you. 0 of 0 people found the following review helpful. Best Everymans Cosmology I have ever Found! By Frederick Martello I have read many astrophysics for the common man, Cosmology without the math, but Ethan Siegel has written the most wonderful, informative book on Cosmology...with Just enough math brilliantly explained so that even I understood every word! IT really is an eye opening life changing book. I heartily recommend it, and I rarely if ever do that. There is nothing to fear...it's good. 3 of 3 people found the following review helpful. Good explanation of cosmology and the physics behind it By Jim R Good explanation of cosmology and the physics behind it. The approach starts from simple basics and should be accessible to folks with a basic knowledge of scientific concepts.

A look up at the night sky reveals a treasury of wonders. Even to the naked eye, the Moon, stars, planets, the Milky Way and even a few star clusters and nebulae illuminate the heavens. For millennia, humans struggled to make sense of what's out there in the Universe, from all we can see to that which lies beyond the limits of even our most powerful telescopes. Beyond the Galaxy traces our journey from an ancient, Earth-centered Universe all the way to our modern, 21st century understanding of the cosmos. Touching on not only what we know but also how we know it, Ethan Siegel takes us to the very frontiers of modern astrophysics and cosmology, from the birth of our Universe to its ultimate fate, and everything in between.

"Beyond the Galaxy offers a fun, informative excursion through the universe and the complex history of our attempts to grapple with its size, age and content. Ethan Siegel writes clearly and confidently, drawing upon wonderful analogies and fascinating tidbits of astronomical history, including outstanding accounts of the heated debates of the past about the nature of the cosmos. The book is richly illustrated, nicely supplementing Siegel's lucid prose. A must read for anyone curious about the development of cosmology and where it stands today!" -- Paul Halpern, Author of Einstein's Dice and Schrödinger's Cat "Ethan Siegel takes us on an engaging journey from the smallest to the largest scales of space and time. He illuminates the path with abundant useful figures, and clearly explains the varied topics he tackles. His descriptions for how the Universe expands, depending upon what it is made of, are particularly nice. His prose exudes enthusiasm and passion; not just for the things we have learned, but for the scientific process. A great read for the science enthusiast." -- Robert Garisto, Editor, Physical Letters "Ethan Siegel has achieved the rare feat of writing a textbook that reads like an engrossing page-turner. This is a book that belongs on the reading list of every undergraduate introduction to astrophysics and cosmology." -- Dr Roberto Trotta, Senior Lecturer in Astrophysics at Imperial College London, and author of "The Edge of the Sky: All you need to know about the All-There-Is'From the Inside Flap A look up at the night sky reveals a treasury of wonders. Even to the naked eye, the Moon, stars, planets, the Milky Way and even a few star clusters and nebulae illuminate the heavens. For millennia, humans struggled to make sense of what's out there in the Universe, from all we can see to that which lies beyond the limits of even our most powerful telescopes. Beyond the Galaxy traces our journey from an ancient, Earth-centered Universe all the way to our modern, 21st century understanding of the cosmos. Touching on not only what we know but how we know it, Ethan Siegel takes us to the very frontiers of modern astrophysics and cosmology, from the birth of our Universe to its ultimate fate, and everything in between. About the Author Ethan Siegel is a PhD theoretical astrophysicist, professor of physics, an award-winning science writer and the founder of famous physics blog Starts With A Bang. You can find him in Portland, Oregon.