

Unlocking the Universe: A Cosmic Odyssey

Author: Chris Collin

Publisher: readolla.com

Published date: 2025

Here's the translation to English: **Connected Cosmos: Unveiling the Secrets of the Universe** * **Part I: Introduction to the Cosmos** + **Main Cosmology Issues** - **History of Cosmology** - **From Aristotle to Newton** - **Development of Cosmology in the 20th Century** - **Foundations of Cosmology** - **Great Patterns** - **Time and the Cosmos** * **Basic Issues of Cosmic Physics** + **Thermodynamics of the Cosmos** - **The Law of Entropy** - **Heat and Entropy** + **Cosmic Electromagnetism** - **Cosmic Radiation** - **Magnetohydrodynamics** * **Part II: The Large-Scale Cosmos** + **Structure and Size of the Cosmos** - **Cosmological Observations** - **Great Patterns** - **Cosmological Observations** - **Cosmological Models** - **Einstein's Model** - **The Big Bang Model** + **Size and Structure of Galaxies** - **Galaxies and their Types** - **Spiral Galaxies** - **Elliptical Galaxies** - **Size and Structure of Galaxies** - **Mass and Density of Galaxies** - **Structure of Galaxies** * **Part III: The Microscopic Cosmos** + **Foundations of Nuclear Physics** - **Properties of Atomic Nuclei** - **Mass and Charge of Nuclei** - **Properties of Nuclei** - **Nuclear Reactions** - **Nuclear Reactions in Scale** - **Nuclear Reactions in Microscale** + **Foundations of Particle Physics** - **Elementary Particles** - **Electron** - **Quarks** - **Particle Interactions** - **Electromagnetic Force** - **Nuclear Force** * **Part IV: The Cosmos in Practice** + **The Future of the Cosmos** - **Results of Cosmological Observations** - **Great Patterns** - **Cosmological Observations** - **Cosmological Models** - **Einstein's Model** - **The Big Bang Model** + **The Cosmos in Practice** - **Applications of Cosmology in Sciences** - **Astrophysics** - **Astronomy** - **Applications of Cosmology in Technology** - **Cosmic Engineering** - **Cosmic Technologies** * **Part V: Conclusion** + **Conclusion of Cosmology** - **Great Questions of Cosmology** - **Origin of the Universe** - **Evolution of the Universe** - **Foundations of Cosmology** - **Time and the Cosmos** - **Great Patterns**

The book can be purchased at

<https://readolla.com/unlocking-the-universe-a-cosmic-odyssey>

