

Beyond the Milky Way and toward infinity, Timothy Ferris navigates an exploration of the universe, guided by stars and galaxies that have been photographed through telescopes at the greatest observatories in the world. The book celebrates the wonder and the power of the cosmos in these photographs, which take you through silvery star clusters and vast red, exploding nebulae toward blue quasars 15 billion light years away. Revealing not only the ingredients of our own galaxy, the Milky Way, Ferris vivid text also visits local galaxies, such as the Magellanic Clouds, the Andromeda, and the Sculptor and Fornax dwarves. The author then proceeds to discuss the elliptical, spiral and even violent aspects of galaxies, concluding with an examination of cosmology, which addresses such subjects as the geometry of space and time.

IMAGE: This is a Hubble Space Telescope mosaic of a portion of the immense Coma cluster of over 1, galaxies, located million.

A galaxy is a huge collection of gas, dust, and billions of stars and their solar systems. A galaxy is held together by gravity. Our galaxy, the Milky Way, also has a supermassive black hole in the middle. When you look up at stars in the night sky, you're seeing other stars in the Milky Way. Galaxies. Our galaxy, the Milky Way, is typical: it has hundreds of billions of stars, enough gas and dust to make billions more stars, and at least ten times as.

A galaxy is a gravitationally bound entity, typically consisting of dark matter, gas, dust and stars. Galaxies populate the Universe, mainly residing in clusters and groups. There are thought to be over billion galaxies in the observable Universe. Galaxies are huge groups of stars orbiting a central point. Almost always, that point is a supermassive black hole. Its pull keeps stars clustered together. A galaxy is a massive, gravitationally bound system that consists of stars, stellar objects (such as brown dwarfs and neutron stars), nebulae, an interstellar. Nature has provided an immensely varied array of galaxies, ranging from faint, diffuse dwarf objects to brilliant spiral-shaped giants. Virtually all.

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