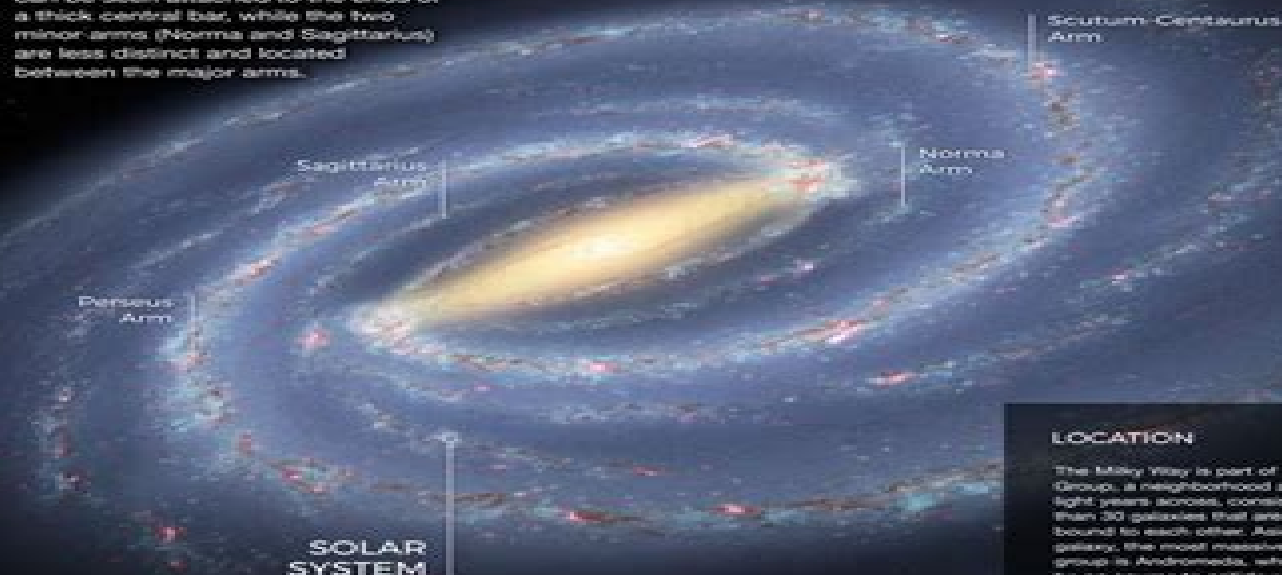


MILKY WAY

AND THE TYPES OF GALAXIES

Milky Way's spiral structure is dominated by two arms wrapping off the ends of a central bar of stars.

The galaxy's two major arms (Scutum-Centaurus and Perseus) can be seen attached to the ends of a thick central bar, while the two minor arms (Norma and Sagittarius) are less distinct and located between the major arms.



MORPHOLOGICAL CLASSIFICATION

Astronomers classify galaxies into three major categories:



Elliptical
ESO 325-G004



Spiral
NGC 2845



Irregular
NGC 2337

LOCATION

The Milky Way is part of the Local Group, a neighborhood about 10 million light years across, consisting of more than 50 galaxies that are gravitationally bound to each other. Aside from our galaxy, the most massive one in this group is Andromeda, which appears to be on course to collide with the Milky Way in about four billion years.



LOCAL GALACTIC GROUP

OTHER SOLAR SYSTEMS

Our Milky Way Galaxy is just one of billions of galaxies in the universe. Within it, there are at least 100 billion stars, and on average, each star has at least one planet orbiting it. This means there are potentially thousands of planetary systems like our solar system within the galaxy!

BLACK HOLE

There is a supermassive black hole at the center of our galaxy. A black hole is a region of spacetime where gravity is so strong that nothing — no particles or even electromagnetic radiation such as light — can escape from it.

The Milky Way And Other Galaxies

JR Anderson



The Milky Way And Other Galaxies:

The Milky Way and Other Galaxies Ellen Labrecque, 2019-08 What is a galaxy How many galaxies are there How many stars and planets are in the Milky Way Early readers will love getting the answers to all their questions about the Milky Way and other galaxies Includes sidebars and infographics that are worked seamlessly into the design for easy reading and better comprehension *The Milky Way and Other Galaxies* Megan Kopp, 2012 Describes the Milky Way and other galaxies including what they're made of shapes and clusters *The Milky Way and Other Galaxies* Dana Meachen Rau, 2005 Discusses the Milky Way and the other galaxies that exist in the universe *The Milky Way and Other Galaxies* Richard Hantula, Isaac Asimov, 2004-12-15 Explores star groups the Magellanic Clouds the Milky Way black holes and different types of galaxies including elliptical spiral and cannibal *The Milky Way and Other Galaxies* Nicholas Faulkner, 2018-12-15 Our galaxy the Milky Way and others are so vast and varied that there is virtually no limit to what we can learn about them This comprehensive book aligns with the Next Generation Science Standards focusing on the universe and its stars and offers readers a detailed and scientific look at nearly all facets of the Milky Way and galaxies in general Readers will study the different types of galaxies and their behaviors the stars that compose them and the interstellar medium Any serious student of the space sciences will appreciate this fascinating and all encompassing book **The Milky Way and Beyond: Stars, Nebulae, and Other Galaxies** Britannica Educational Publishing, 2009-10-01 The Sun is merely one of some 200 billion stars that make up the Milky Way and the Milky Way is only one of a billion galaxies in the known universe Packed with fascinating facts and stunning photography this book examines the Galaxy humans call home and travels light years away to the domain of phenomena such as the Oort cloud *Investigating the Milky Way and Other Galaxies with Velma Ailynn Collins*, 2023-01-08 The Milky Way Galaxy holds 100 to 400 billion stars Find out fascinating facts about these star filled space wonders with Velma including how galaxies form how they can differ from one another and why black holes remain a perplexing mystery back cover *Introduction to Astrophysics*, Take in our entire galaxy called the Milky Way Locate Earth's position then survey other galaxies classifying their structure Use the virial theorem to analyze a typical galaxy which can be thought of as a collisionless gas of stars Note that galaxies themselves often collide with each other as the nearby Andromeda Galaxy is destined to do with the Milky Way billions of years from now *Our Milky Way and Other Galaxies* Isaac Asimov, 1991-07 Provides an insider's view of our own Milky Way and discusses the nature and behavior of galaxies in general *The Milky Way* Gregory Vogt, 2010-01-01 Provides beginning readers a simple introduction to the Milky Way

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