



# Spiral shaped galaxy that contains our solar system

Solar system, assemblage consisting of the Sun and those bodies orbiting it: 8 planets with more than 400 known planetary satellites; many asteroids, some with their own satellites; comets and other icy bodies; and ...

Since July 2022, NASA's James Webb Space Telescope has been unwaveringly focused on our universe. With its unprecedented power to detect and analyze otherwise invisible infrared light, Webb is making observations that were once ...

Our planet, Earth, resides in a galaxy commonly known as the Milky Way. This galaxy is classified as a barred spiral galaxy due to its distinct spiral arms extending from a central bar-shaped ...

A lot of our observations of the Milky Way galaxy suggest that our Solar System is unusual in many ways. Since the Solar System is the only known planetary system to host life, these oddities could be contributing factors to the ...

A galaxy in the palm of your hand M101 What you need: Pinwheel Galaxy Printout (PDF) Pipe cleaner Popsicle stick or chopsticks Scissors Single hole puncher What to do: Cut out the hexagonal shape for your galaxy ...

According to scientists, our galaxy has a warped spiral shape (almost like a large whirlpool) and rotates every 200 million years. If you wondered how our galaxy got its shape, you are not alone. This is a question ...

How Many Solar Systems Are in Our Galaxy? The Short Answer: Our planetary system is the only one officially called "solar system," but astronomers have discovered more than 3,200 other stars with planets ...

This cosmic interloper is a minor body - in this case, it appears to be a comet - that has come into our Solar System from deep in interstellar space. It turns out that the vast gulfs between ...

The Milky Way is a barred spiral galaxy that contains our solar system. It comprises billions of stars, gas, dust, and dark matter, forming a luminous band of light that stretches across the ...

Sun Our star, the center of our solar system. The Sun is a middle-aged, ordinary star. sunspot An area on the Sun's surface that is cooler than its surroundings and has intense magnetic activity. supergiant The most massive ...

At its heart lies Sagittarius A\*, a supermassive black hole that influences the galaxy's core dynamics. Spiral arms spiral outward, nurturing star birth, while the galactic halo, an extended...



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Earth is part of the Milky Way Galaxy, a massive spiral galaxy that contains billions of stars. The Solar System, which includes Earth, is located in the Orion Arm, about 25,000 light-years from the galactic center.

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Our solar system, including the Sun, Earth, and all the other planets, is within one of the spiral arms in the disk of the Milky Way Galaxy. Most of the stars we see in the sky are also in this spiral arm. We are about 26,000 light ...

Galaxy, any of the systems of stars and interstellar matter that make up the universe. Many such assemblages are so enormous that they contain hundreds of billions of stars. Virtually all galaxies appear to have been ...

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