

Real size of solar system





Overview

Short answer: The Solar System is a disc shape, 244 astronomical units wide (244 times the distance from the Sun to the Earth, or about 36.6 billion km).
Long answer: There is some disagreement over exactly where the edge of the Solar System is, so there are disagreements over its.

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As of Feb. 1, 2020, Voyager 1 is about 13.8 billion miles (22.2 billion kilometers) from the Sun — nearly four times the average distance from the Sun to icy Pluto. In an effort to bring these vast distances down to Earth, we've shrunk the solar system to the size of an American football field. If.

The size of the solar system may seem like it has a simple answer, yet there is no universally agreed upon definition for where our solar system ends. There are three possible definitions for where our solar system ends: the heliopause, the edge of the Oort Cloud, and the gravitational influence of.

This is the average distance from the Earth to the Sun, or approximately 150 million kilometers. Mercury is only 0.39 astronomical units from the Sun, while Jupiter orbits at a distance of 5.5 astronomical units. And Pluto is way out there at 39.2 astronomical units. That's the equivalent of 5.9.

1 pixel = 1,000 km. This 2D visual model illustrates the scale of the sun and planets in our solar system, and their current distance from the sun.

This website aims to give an impression of the vast space with all distances and graphical representations of the Sun, planets and moons in a proper relative scale. All sizes are calculated based on the diameter of the Sun of 720 pixels. Your path through the Solar System is accompanied by facts.

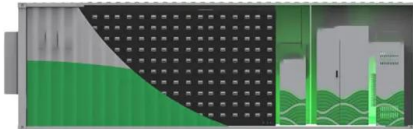
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Long answer: There is some disagreement over exactly where the edge of the Solar System is, so there are disagreements over its size. One common.



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Solar System

The Solar System includes the Sun and all objects that are bound to it by gravity and orbit it. [14][15][16] The International Astronomical Union describes the Solar System as all objects that are bound by the gravity of the Sun, the Sun itself, ...

[Astronomer's Mind-Blowing Animation Shows The ...](#)

Sometimes it takes an animation on Twitter to truly comprehend - or at least begin to comprehend - the amazing diversity of worlds making up our Solar System. Enter planetary astronomer James O'Donoghue from the ...



Solar System Scale Model

This page shows a scale model of the solar system, shrunk down to the point where the Sun, normally more than eight hundred thousand miles across, is the size you see it here. The planets are shown in corresponding scale. Unlike ...

[A Solar System Model that Teaches the TRUE Size of ...](#)

To teach the true size of the solar system you need two things: an accurate model and some space outside. This solar system representation



from the Mighty Wonderer is a true-to-scale, outdoor educational activity that teaches the true ...



[Planet Sizes and Locations in Our Solar System](#)

Our solar system has eight planets, and five officially recognized dwarf planets. Which planet is biggest? Which is smallest? What is the order of the planets as we move out from the Sun? This is a simple guide to the sizes ...

The Solar System: True to Scale

A preferred model defines the true size of the Solar System by the reach of its gravity; how far away an object can still be said to orbit the Sun. This is about 2 light-years, or almost half the distance from the Sun to the nearest star, ...



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