

Is Sedna a dwarf planet?

Sedna (minor-planet designation: 90377 Sedna) is a dwarf planet in the outermost reaches of the Solar System, orbiting the Sun beyond the orbit of Neptune. Discovered in 2003, the planetoid's surface is one of the reddest known among Solar System bodies.

Was Sedna the first object discovered from the Oort cloud?

Sedna, small body in the outer solar system that may be the first discovered object from the Oort cloud. Sedna was discovered in 2003 by a team of American astronomers at Palomar Observatory on Mount Palomar, California. At that time, it was the most distant object in the solar system that had ever

How far is Sedna from the Sun?

Sedna's orbit is one of the widest known in the Solar System. Its aphelion, the farthest point from the Sun in its elliptical orbit, is located 937 astronomical units (AU) away.

Is Sedna a red planet?

Discovered in 2003, the planetoid's surface is one of the reddest known among Solar System bodies. Spectroscopy has revealed Sedna's surface to be mostly a mixture of the solid ices of water, methane, and nitrogen, along with widespread deposits of reddish-colored tholins, a chemical makeup similar to those of some other trans-Neptunian objects.

Is Sedna a Kuiper belt object?

Sedna and two other very distant objects - 2006 SQ 372 and (87269) 2000 OO 67 - share their color with outer classical Kuiper belt objects and the centaur 5145 Pholus, suggesting a similar region of origin. Trujillo and colleagues have placed upper limits on Sedna's surface composition of 60% for methane ice and 70% for water ice.

Did a passing star kick Sedna toward the inner Solar System?

Sedna, however, was observed at a distance 10 times closer than the predicted inner edge of the Oort cloud. The proposal that Sedna had been kicked toward the inner solar system by the gravitation of a passing star is an idea that could account for its orbit.

The Kuiper Belt, the vast region at the edge of our solar system populated by countless icy objects, is a treasure trove of scientific discoveries. The detection and characterization of Kuiper...

In 2004, astronomers announced the discovery of a red, frigid planet-like body at the outskirts of our solar system. Michael E. Brown, the Caltech astronomer who spotted the object (and who would later "kill" Pluto) dubbed it "Sedna", after the Inuit goddess who rules the seas from the bottom of the chilly Arctic Ocean. Sedna quickly spurred ...

Sedna. The model of the dwarf planet Sedna, created by Antero Koskitalo, was inaugurated in 2005 at the science centre "Teknikens Hus" located in Luleå in northern Sweden, not far from the arctic circle. In arctic mythology, Sedna represented the "goddess of the frozen seas" from where she supplied the eskimos with seals and whales.

The Sweden Solar System is the world's largest permanent scale model of the Solar System. The Sun is represented by the Avicii Arena in Stockholm, the second-largest hemispherical building in the world. The inner planets can also be found in Stockholm but the outer planets are situated northward in other cities along the Baltic Sea. The system was started by Nils Brenning, professor...

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The detection and characterization of Kuiper Belt Objects (KBOs), sometimes referred to as Trans-Neptunian Objects (TNOs), has led to a new understanding of the history of the Solar System. The...

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This article includes a list of the most massive known objects of the Solar System and partial lists of smaller objects by observed mean radius. These lists can be sorted according to an object's radius and mass and, for the most massive objects, volume, density, and surface gravity, if these values are available.

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