

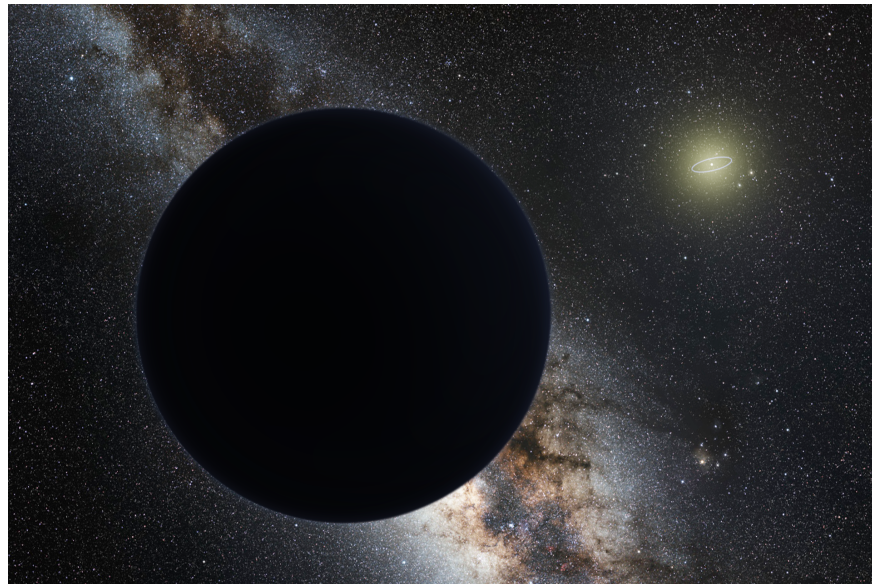
Appears more clues proving the existence of the mysterious 9th Planet in the Solar system

This mysterious planet may have formed close to the Sun, before being pushed back by Jupiter's gravity toward regions at the boundary of the solar system.

In a remote part of the Solar System, far beyond Neptune, exists a place known as the Kuiper Belt, consisting of hundreds of thousands of frozen celestial objects with polar orbits. Unusual chaos period. Some astronomers have theorized that these objects are reacting to the gravitational pull of an undiscovered giant planet called "Planet 9", which may be hidden. deep inside the Kuiper Belt.

However, up to now, there is no image or data recorded its presence. However, not except for the possibility that Planet 9 exists out there, but because it is so far away from Earth, we can hardly detect it.

However, most recently, scientists have unexpectedly found clues about the existence of this mysterious planet through an exoplanet located far from Earth.



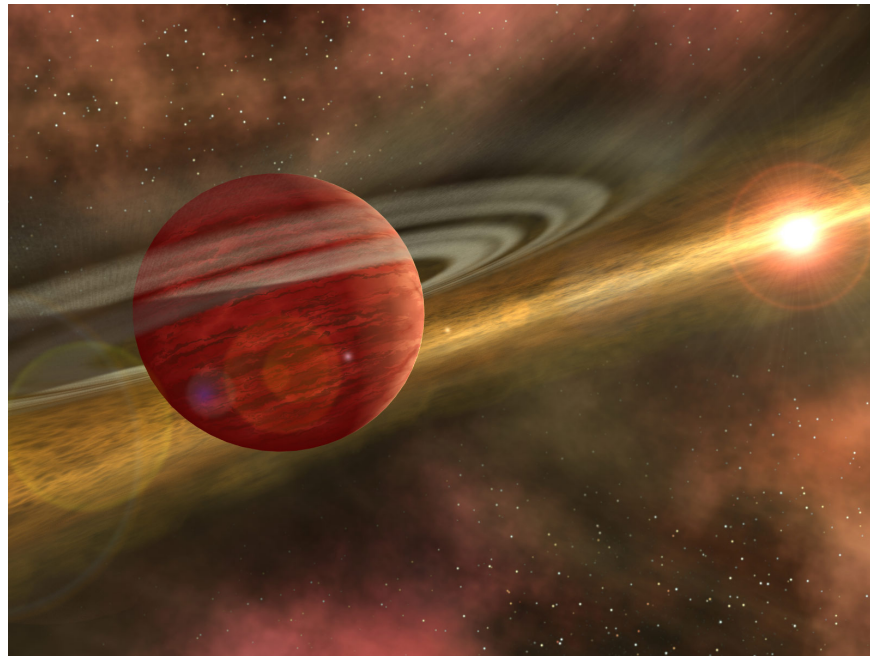
Planet 9 may be lurking deep inside the Kuiper Belt

Accordingly, scientists have discovered a giant exoplanet named HD 106906B orbiting the binary star system HD 106906, 336 light years away from us. With a mass 11 times that of Jupiter, HD 106906B's strangest point comes from the fact that the planet orbit is very far away from its host star, 730 times the distance from Earth to the Sun.

At this distance, the gravitational pull of the host star on HD 106906B is very weak, making the planet take up to 15,000 thousand years to make a rotation around the host star. The Hubble Telescope also shows that HD 106906B has a polarized orbit and is located in an area of icy objects like the Kuiper Belt of the solar system.

According to the researchers, HD 106906B could help explain how a planet could be ejected to the periphery of the stellar system without being completely 'expelled' into interstellar space.

Accordingly, HD 106906B formed quite close to its host star, even closer than Earth to the sun. Over time, the orbit of this exoplanet gets closer and closer to its host stars.



HD 106906B is located very far away from its 2 host stars

However, rather than being completely 'swallowed up', the pair's complex gravitational pull has pushed the planet into a new orbit, sending it far into space. Such an orbit could have taken the exoplanet beyond its stellar system, putting HD 106906B at risk of becoming a nomad. But luckily (?!), Another star passed by HD 106906, stabilizing the orbit of HD 106906B and preventing it from being ejected from the star system.

"HD106906b is very far away from the star pair and has very skewed orbits, just like the ninth planet predictions. This raises the question of how such planets formed and evolved to achieve the present. like it is today," said expert Meiji Nguyen at the University of California, Berkeley, lead author of the new study.

A similar event could have happened in our Solar System, if Planet 9 actually existed. This mysterious planet may have formed close to the Sun, before being pushed back by Jupiter's gravity toward regions at the boundary of the solar system.

It is known that the 3D galaxy mapping project Gaia of the European Space Agency will help to identify early possible star interactions that may have occurred in the history of the Solar System.

"It's like we have a time machine that goes back 4.6 billion years to see what might happen when our solar system is still in its infancy," says researcher Paul. Kalas of the University of California, Berkeley said.

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