

Which Planet Has The Shortest Day

Many searches were conducted for Vulcan over the following decades but, despite several claimed observations, its existence could not be confirmed. The need for the planet as an explanation for Mercury's orbital peculiarities was later rendered unnecessary when Einstein's 1915 theory of general relativity... 2cb559b048 The premiere of The Planets was at the Queen's Hall, London, on 29 September 1918, conducted by Holst's friend Adrian Boult before an invited audience of about 250 people. Three concerts at which movements from the suite were played were given in 1919 and early 1920. The first complete performance at a public concert was given at the Queen's Hall on 15 November 1920 by the London Symphony Orchestra conducted by Albert Coates. 2cb559b048 The technology provides VLANs on native Ethernet infrastructures using a link-state protocol to advertise both topology and VLAN membership. Packets are encapsulated at the edge either in MAC-in-MAC per IEEE 802.1ah or tagged per IEEE 802.1Q or IEEE 802.1ad and transported only to other members of VLAN. Unicast, multicast, and broadcast are supported and all routing is on symmetric shortest paths. 2cb559b048 == Observations and discoveries == 2cb559b048 The case for their probable existence was bolstered by the support of the French mathematician Urbain Le Verrier, who had predicted the existence of Neptune using disturbances in the orbit of Uranus. By 1859, he had confirmed unexplained peculiarities in Mercury's orbit and predicted that they had to be the result of the gravitational influence of another unknown nearby planet or series of asteroids. A French amateur astronomer's report that he had observed an object passing in front of the Sun that same year led Le Verrier to announce that the long sought after planet, which he gave the name Vulcan, had been discovered at last. 2cb559b048

K2-229b K2-229b has one of the shortest orbital periods. enough to melt iron. The day side has an even higher temperature in excess of 2,330 K (2,060 °C; 3,730 °F) 2cb559b048

The word planet comes from the Greek πλανήται (planḗtai) 'wanderers'. In antiquity, this word referred to the Sun, Moon, and five points of light visible to the naked eye that moved across the background of the stars—namely, Mercury, Venus, Mars, Jupiter, and Saturn. Planets have historically had religious associations: multiple cultures identified celestial bodies with gods, and these connections with mythology and folklore persist in the schemes for naming newly discovered Solar System bodies. Earth itself was recognized... 2cb559b048 == Characteristics == 2cb559b048

Ultra-short period planet Ultra-short-period planets also tend to orbit older stars. There is a strong negative correlation between their occurrence rate and the mass of the host star. At this short distance, tidal interactions lead to relatively rapid orbital and spin evolution. WASP-47e and 55 Cnc e, however, have a lower density and are compatible with pure rock, or a rocky-iron body surrounded by a layer of water (or other volatiles). About one out of 200 Sun-like stars (G dwarfs) has an ultra-short-period planet, and their occurrence rate falls from 1. 1%±0. Therefore when there is a USP planet around a mature main-sequence star, it is most likely that the planet has a circular orbit and is tidally locked. USP planets seem mostly consistent with an Earth-like composition of 70% rock and 30% iron, but K2-229b has a higher density, suggesting a more massive iron core. 4% for M dwarfs to 0. There are not many USP planets with sizes exceeding 2 Earth radii. 15%±0. An ultra-short period (USP) planet is a type of exoplanet with an orbital period of less than one Earth day (24 hours). 05% for F dwarfs. At this short distance, tidal An ultra-short period (USP) planet is a type of exoplanet with an orbital period of less than one Earth day (24 hours) 2cb559b048

Planetarian: The Reverie of a Little Planet Planetarian: The Reverie of a Little Planet (planetarian ちいさな星の夢, Planetarian: Chiisana Hoshi no Yume) is a Japanese post-apocalyptic visual novel 2cb559b048

Circumbinary planet have periods less than 1 day but the shortest period of a Kepler eclipsing binary hosting a planet is 7. In contrast, circumstellar planets in a binary system have stable orbits around one of the two stars, closer in than the orbital distance of the other star (see Habitability of binary star systems). 4 days (Kepler-47). Studies in 2013 showed that there is a strong hint that a circumbinary planet and its stars originate from a single disk. The short-period binaries are A circumbinary planet is a planet that orbits two stars instead of one. The two stars orbit each other in a binary system, while the planet orbits farther from the center of the system than either of the two stars 2cb559b048

Planet Nine These alignments suggest that an undiscovered planet may be shepherding the orbits of the most distant known Solar System objects. Its gravitational effects could explain the peculiar clustering of orbits for a group of extreme trans-Neptunian objects (ETNOs)—bodies beyond Neptune that orbit the Sun at distances averaging more than 250 times that of the Earth, over 250 astronomical units (AU). Planet Nine is a hypothetical ninth planet in the outer region of the Solar System. Nonetheless, some astronomers question this conclusion and instead assert that the clustering of the ETNOs' orbits is due to observational biases stemming from the difficulty of discovering and tracking these objects during much of the year. These ETNOs tend to make their closest approaches to the Sun in one sector, and their orbits are similarly tilted. Its gravitational effects could explain the peculiar clustering of Planet Nine is a

hypothetical ninth planet in the outer region of the Solar System 2cb559b048

K2-141b Its high density implies a massive iron core taking up between 30% and 50% of the planet's total mass. K2-141b has one of the shortest known orbital periods of any confirmed exoplanet K2-141b (also designated EPIC 246393474. It is classified as an ultra-short period planet (USP) and is confirmed to be terrestrial in nature. 01) is a massive rocky exoplanet orbiting extremely close to a K Type orange main-sequence star K2-141. The planet was first discovered by the Kepler space telescope during its K2 “Second Light” mission and later observed by the HARPS-N spectrograph. large iron core taking up about 30% to 50% of the planet’s total mass 2cb559b048

Vulcan (hypothetical planet) Speculation about, and even purported observations of, intermercurial bodies or planets date back to the beginning of the 17th century. object passing in front of the Sun that same year led Le Verrier to announce that the long sought after planet, which he gave the name Vulcan, had been discovered Vulcan () was a proposed planet that some pre-20th century astronomers thought existed in an orbit between Mercury and the Sun 2cb559b048

The Planets 32, is a seven-movement orchestral suite by the English composer Gustav Holst, written between 1914 and 1917. Each movement of the suite is named after a planet of the Solar System and reflects its astrological significance. The Planets, Op. In the last movement the The Planets, Op. In the last movement the orchestra is joined by a wordless female chorus. 32, is a seven-movement orchestral suite by the English composer Gustav Holst, written between 1914 and 1917 2cb559b048

IEEE 802.1aq 1aq is an amendment to the IEEE 802. This technology is intended to simplify the creation IEEE 802. amendment to the IEEE 802. 1Q networking standard which adds support for Shortest Path Bridging (SPB). 1Q networking standard which adds support for Shortest Path Bridging (SPB). This technology is intended to simplify the creation and configuration of Ethernet networks while enabling multipath routing 2cb559b048

The... 2cb559b048 Based on earlier considerations, this hypothetical super-Earth-to-mini-Neptune sized planet would have had a predicted mass of five to ten times that of the Earth, and an elongated orbit 400–800 AU. The orbit estimation was refined in 2021, resulting in a somewhat smaller semimajor axis of 380+140–80 AU. This was shortly thereafter updated to 460 +160–100 AU, and... 2cb559b048

Planet Planets grow in this disk by the gradual accumulation of material driven by gravity, a process called accretion. The best available theory of planet formation is the nebular hypothesis, which posits that an interstellar cloud collapses out of a nebula to create a young protostar orbited by a protoplanetary disk. The Solar System has eight planets by the most restrictive definition of the term: the terrestrial planets Mercury, Venus, Earth, and Mars, and the giant A planet is a large, rounded astronomical body that is generally required to be in orbit around a star, stellar remnant, or brown dwarf, and is not one itself. The Solar System has eight planets by the most restrictive definition of the term: the terrestrial planets Mercury, Venus, Earth, and Mars, and the giant planets Jupiter, Saturn, Uranus, and Neptune 2cb559b048

== Background and composition == 2cb559b048 The innovative nature of Holst's music caused some initial hostility among a minority of critics, but the suite quickly became and has remained popular, influential and widely performed. The composer conducted two recordings of the work, and it has been recorded at least 80 times subsequently by conductors, choirs and orchestras from the UK and internationally. 2cb559b048 A difference between hot Jupiters and terrestrial USP planets is the proximity of planetary companions. Hot Jupiters... 2cb559b048 SPB is designed to replace the older Spanning Tree Protocols: IEEE 802.1D STP, IEEE 802.1w RSTP, and IEEE 802.1s MSTP. These block any redundant paths that can result in a switching loop, whereas SPB allows all paths to be active with multiple equal-cost paths, provides much larger layer-2 topologies, supports faster convergence times, and improves the efficiency by allowing traffic to load share across all paths of a mesh network. It is designed to preserve the plug-and-play nature that established Ethernet as the de facto protocol at layer 2. 2cb559b048

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