

Grand tour of the solar system

Starting with a grand tour of the Solar System, powerfully told by the world's top space scientists. From the raging inferno of the Sun to the icy beauty of Pluto, discover the secrets that the planets have kept for billions of years, revealed with stunning images from space.

Reception: 6 - 6:45 Lecture: 7 - 8:15 Talk Description: We currently know of more than 10,000 planets and planet candidates orbiting nearby stars. Many of these extrasolar planets look quite different than the planets in the solar system, including Jupiter-like gas giants on close-in orbits, "mini-Neptunes" with puffy hydrogen-rich atmospheres, and rocky "super-Earths" with ...

The NASA/ESA Hubble Space Telescope has completed its annual grand tour of the outer Solar System. This is the realm of the giant planets -- Jupiter, Saturn, Uranus, and Neptune -- extending as far as 30 times the distance between Earth and the Sun. Unlike the rocky terrestrial planets like Earth and Mars that huddle close to the Sun's ...

Now with 190,000 copies in print, here is a spectacular Grand Tour of the solar system featuring a unique blend of science and art-photographs along with dazzling full-color paintings, drawings, and maps based on years of astronomer William Hartmann's research, personal observation, and interviews with colleagues.

The Sun accounts for roughly 99% of the mass in the entire Solar System. This makes for an exorbitant amount of gravitational pull. ... Voyager 1 and 2 exploited what is called the Grand Tour alignment, an alignment of the outer four planets that occurs only once every 175 years; it will occur next, around 2150. The Voyagers were assisted by ...

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Dr Maggie Aderin-Pocock is a scientist and broadcaster referred to as the BBC's "face of space". Maggie is a pioneering figure in promoting science to the public and runs her own company engaging children and adults all over the world with the wonders of space science.

The Grand Tour. NASA's Voyager mission took advantage of a once-every-175-year alignment of the outer planets for a grand tour of the solar system. The twin spacecraft revealed details about Jupiter, Saturn, Uranus and Neptune - using each planet's gravity to send them on to the next destination. Voyager set the stage for such ambitious ...

From its vantage point high above Earth's atmosphere, NASA's Hubble Space Telescope has completed its annual grand tour of the outer solar system - returning crisp images that are almost as good as earlier snapshots



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The Grand Tour of the Solar System series treks to the Sun and the four inner terrestrial planets before traveling outward to the asteroid belt, four Jovian planets, and beyond. At each session, a professional astronomer explores a ...

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Mission planners targeted Voyager 2 to have the option to continue on to Uranus and Neptune, provided Voyager 1 achieved its goals. Once it did, NASA gave the go-ahead for Voyager 2's "Grand ...

Voyager 2's Grand Tour of the outer solar system revealed a surprising cosmic neighborhood, where moons thought to be frozen and dead were churning with geologic activity, hiding potential ...

From its vantage point high above Earth's atmosphere, NASA's Hubble Space Telescope has completed this year's grand tour of the outer solar system - returning crisp images that complement current and past ...

- Fun Kids Radio, Science Weekly 6) The perfect guide to the universe we live in - Primary Times 7) A cleverly presented and engaging personal tour of the Solar System, Dr Maggie's Grand Tour runs Saturn-sized rings around other children's space books - The School Reading List 8) Full of facts and illustrations, this is a fascinating tour of ...

The tour begins with the 4.5-billion-year-old star at the center of the solar system, the Sun. As the most massive object around, the sun's gravity is the glue that holds the solar system together, keeping everything from the biggest planets to the smallest bits of ...



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