



EQACC SOLAR

Solar System Classification



Overview

What shaped the classification of the Solar System bodies?

Introduction Present terminology and classification of the Solar System (SS) bodies was shaped by many factors: scientific investigation, philosophy, religion and even astrology. Up to the times of Galileo, most SS bodies were just wandering stars.

What is a planetary classification?

Planetary classification refers to the systematic organization of celestial bodies within our solar system based on their characteristics and behaviors. Historically, the term "planet," derived from the Greek word for "wanderer," initially included the Sun, Moon, and five visible planets: Mars, Mercury, Jupiter, Venus, and Saturn.

Can Planetary Sciences be classified based on properties of celestial bodies?

Planetary sciences use terminology that has some inconsistencies and does not correspond to the present knowledge about Solar System bodies. The paper discusses the possibility of a classification based on properties of celestial bodies rather than on their orbits.

Which criterion is used to classify a planet?

Objects can be classified by size, method of formation, and physical composition. If size is the primary criterion for defining a planet, the eight bodies now defined as major planets do indeed meet that criterion since they are substantially larger than the other solar system bodies.

Solar System Classification



classification, primary planets, dwarf planets, comparison

Up In The Air Classification These "objects" are currently under scrutiny as to whether they can be classified as a planet or as "Small Solar System Bodies". Currently there is only one body in ...

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Planetary classifications , Research Starters

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Planetology and classification of the solar system bodies

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Classifying Solar System Objects

Classifying Solar System Objects Big Ideas: Humans group objects to help them understand and describe the world around them. The way scientists categorize things may ...

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A Proposal for New Definitions of Solar System Bodies

Abstract A new classification system for Solar System bodies is proposed which takes into account both physical and dynamical perspectives as well as critiques of the IAU ...

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<i>Wide temperature: -20~55°C</i>
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An Objective Classification Scheme for Solar ...

We introduce succinct and objective definitions of the various classes of objects in the solar system. Unlike the

formal definitions adopted by the ...

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An Objective Classification Scheme for Solar-System Bodies ...

Size considerations are also sufficient for the classification of (i) main-belt asteroids (except possibly Ceres) as small solar-system bodies similar in physical properties to the small



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Categorizing Solar System Objects

Categories of Solar System Objects In the astronomical community, there are six currently accepted categories for the objects below: star, planet, dwarf planet, moon/satellite, ...

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The Solar System is filled with a diverse set of objects ...

The Solar System is filled with a diverse

set of objects ranging from the largest jovian worlds to grain-sized meteorites. Classification is important to develop a model for how ...

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An Objective Classification Scheme for Solar-System Bodies ...

We introduce succinct and objective definitions of the various classes of objects in the solar system. Unlike the formal definitions adopted by the International Astronomical Union in 2006, ...

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Classification of the Planets

The Modern Solar System The planets of the modern solar system are grouped into several different and sometimes overlapping classifications, as illustrated in the following ...

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