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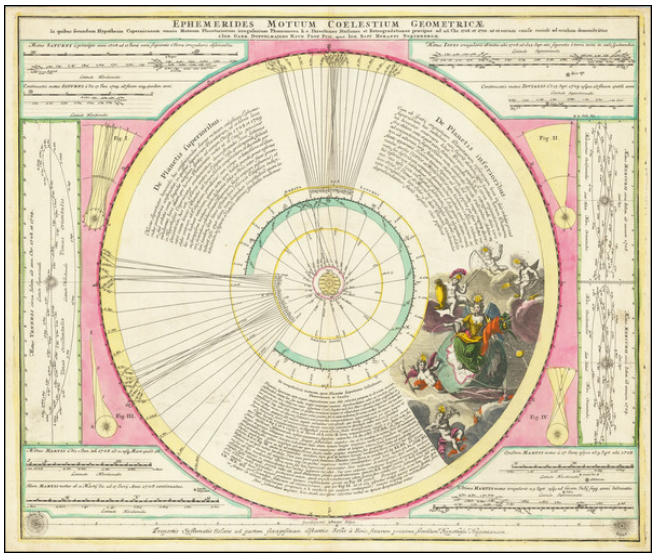
(Copernican Solar System) Ephemerides Motuum Coelestium Geometrica In Quibus Secundum Hyupotheesin Copernicanum omina Motuum Planetariorum irregularium Phoenomena h.e. Directiones Stationes ...

Stock#: 78815
Map Maker: Doppelmayr

Date: 1742
Place: Nuremberg
Color: Hand Colored
Condition: VG+
Size: 22.5 x 19 inches

Price: $ 495.00



Description:

Striking example of Doppelmayr's celestial chart illustrating planetary motion.

Johann Gabriele Doppelmayr, a prominent 18th-century German mathematician, and astronomer, significantly contributed to the astronomical sciences with his work, including the present chart, which loosely translated, delves into the geometric ephemerides of celestial motions, emphasizing the irregular movements of the planets, as described by the Copernican hypothesis.

Doppelmayr's chart serves as a striking exemplification of the intricacies and wonders of planetary motion from a Copernican perspective. The Copernican heliocentric model postulates that the Sun, rather than the Earth, sits at the center of our solar system. Doppelmayr's chart elucidates this theory, detailing how the various celestial bodies move in relation to this central sun.

The work includes a myriad of diagrams and annotations, which serve as explanations and further insights into the workings of the celestial realm. They act as a guide, taking the viewer on a journey through the cosmos, explaining the irregular motions of planets, the occurrences of eclipses, and various other celestial phenomena.

A particular highlight is the elaborate vignette illustrating the Earth, surrounded by several constellations, the Moon, and various windheads, adding an aesthetic touch to a scientifically rigorous chart. The

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depiction of these constellations serves as a bridge between ancient stargazing traditions and modern astronomical understanding.

The core of the map, which represents the Copernican model, is especially significant. It provides projections that elucidate when the planets will be perceivable from Earth, offering astronomers and enthusiasts insights into the best times to observe these celestial bodies.

Detailed Condition:
Original hand-color.