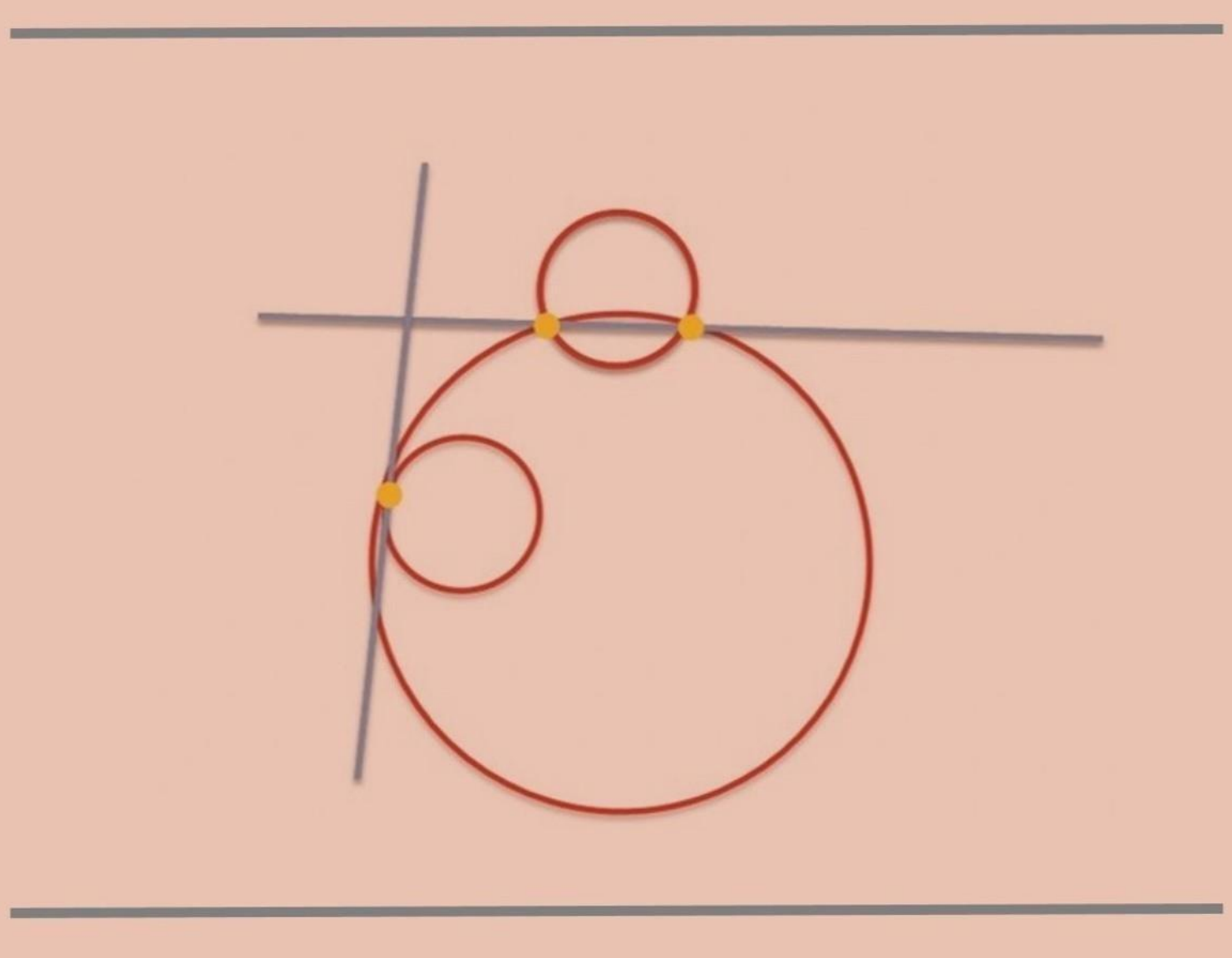


The Revolution of Landscape Mathematics

Hidden in Nature's Mathematics

In this Landscape Mathematics system, the nodes on the *imaginary* circles of the Pioneer Courthouse Square represent the number of orbits a particular planet and the Sun make around the Earth. Each move is represented by the sequence of steps in the square. Once the circular orbit of a planet or the Sun completes around Earth, so does the spatial experience of traveling the steps in the plaza.

The amount of light the plaza receives compliments its hidden beauty and logic. The design of the Square allows for the Sun and the Moon to enamor the open space with natural light—as Earth is the center.

The floor is a grid of quadrants with coordinates to star constellations.

The columns surrounding the piazza embrace the Greek agora-designed perimeter with beauty, order, function, form, and materialization, while the gods admire from a distance—the worship of the Sun and Moon gods by those who enter.

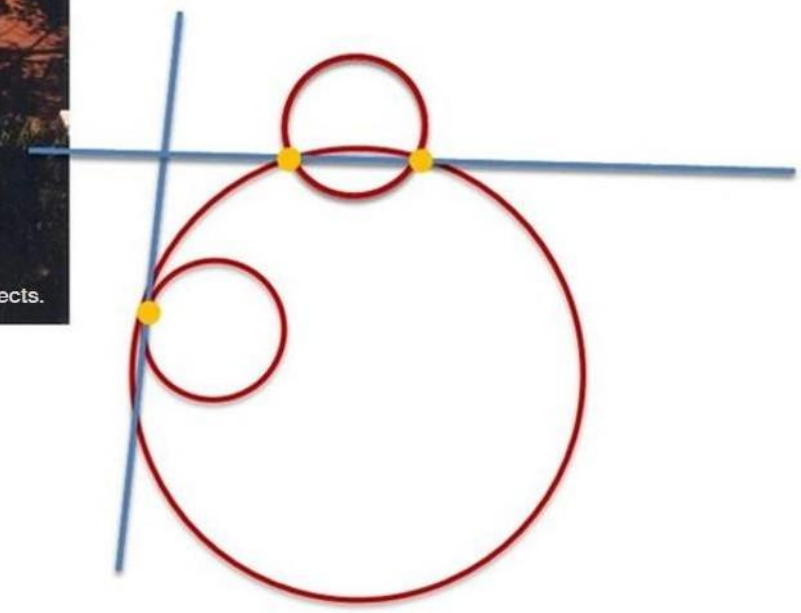
The Pioneer Courthouse Square System

Landscape Mathematics Beauty and Logic by Yafreisy Carrero.

From Euclid's *Elements*. Book III. Definition III. Circles are said to touch one another which meet, but do not cut one another.

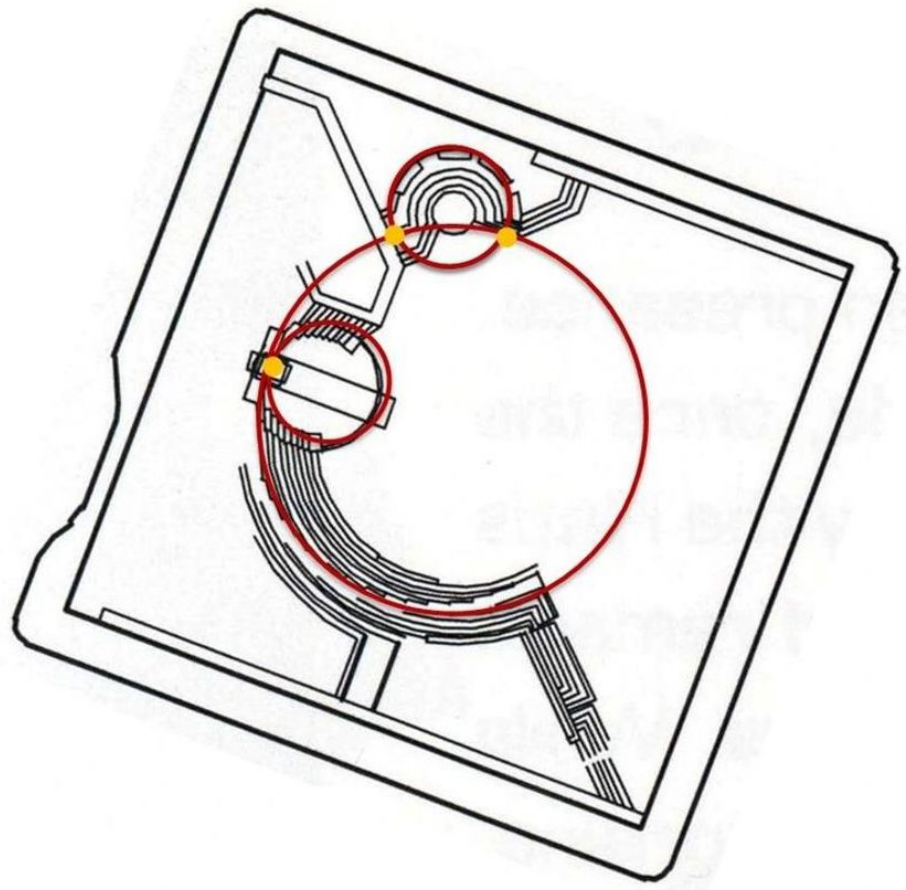
Photograph courtesy of Soderstrom Architects.

Landscape Mathematics Beauty and Logic by Yafreisy Carrero.



The Geocentric Model of Ptolemy

A representation of the Ptolemaic Solar System—deciphered logic of Pioneer Courthouse Square.



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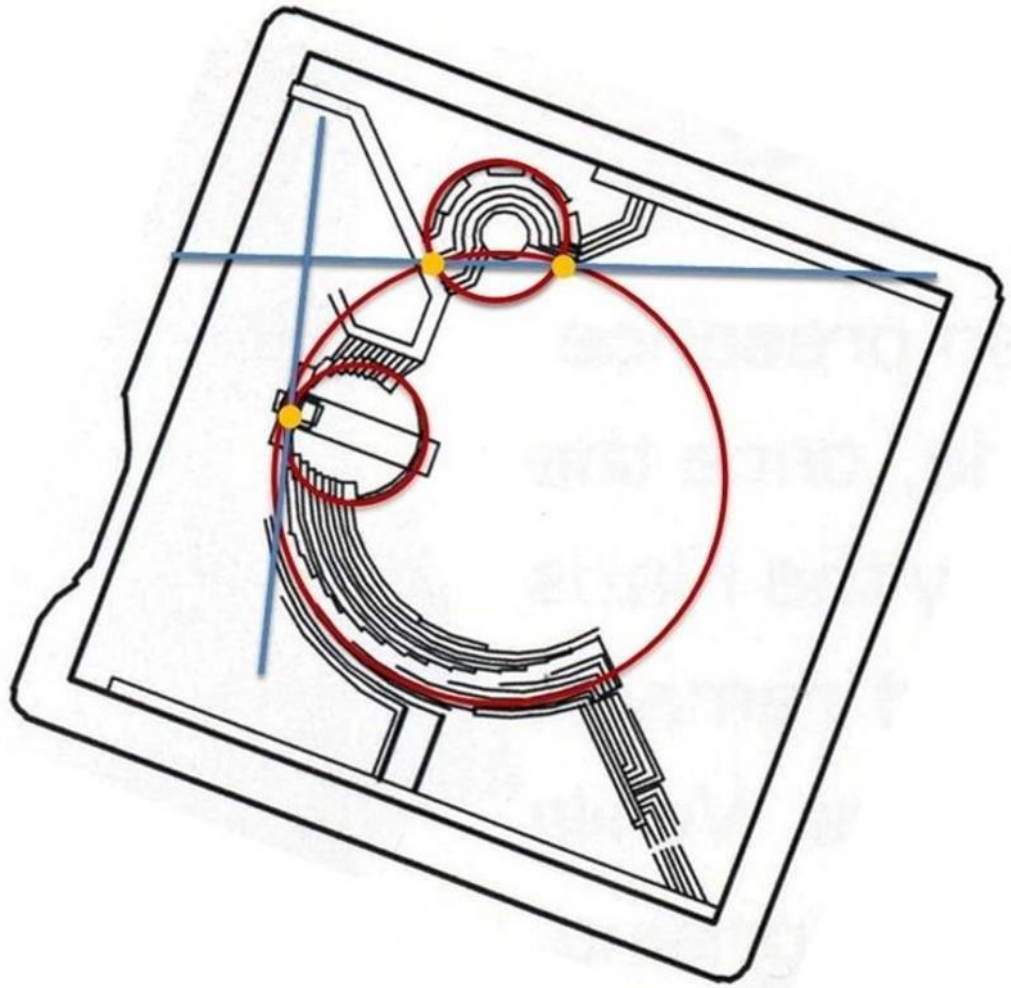
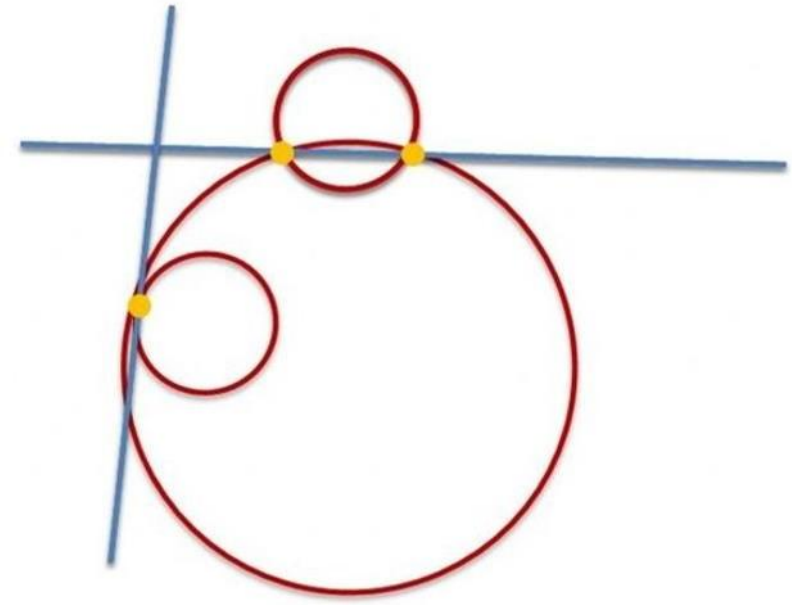
Landscape Mathematics System of the Pioneer Square | 1

The central sphere is Earth. The sphere with one node represents the Sun, which equates to one circular orbit, and the sphere with two nodes represents a particular planet with two circular orbits—all of which are relative to Earth.





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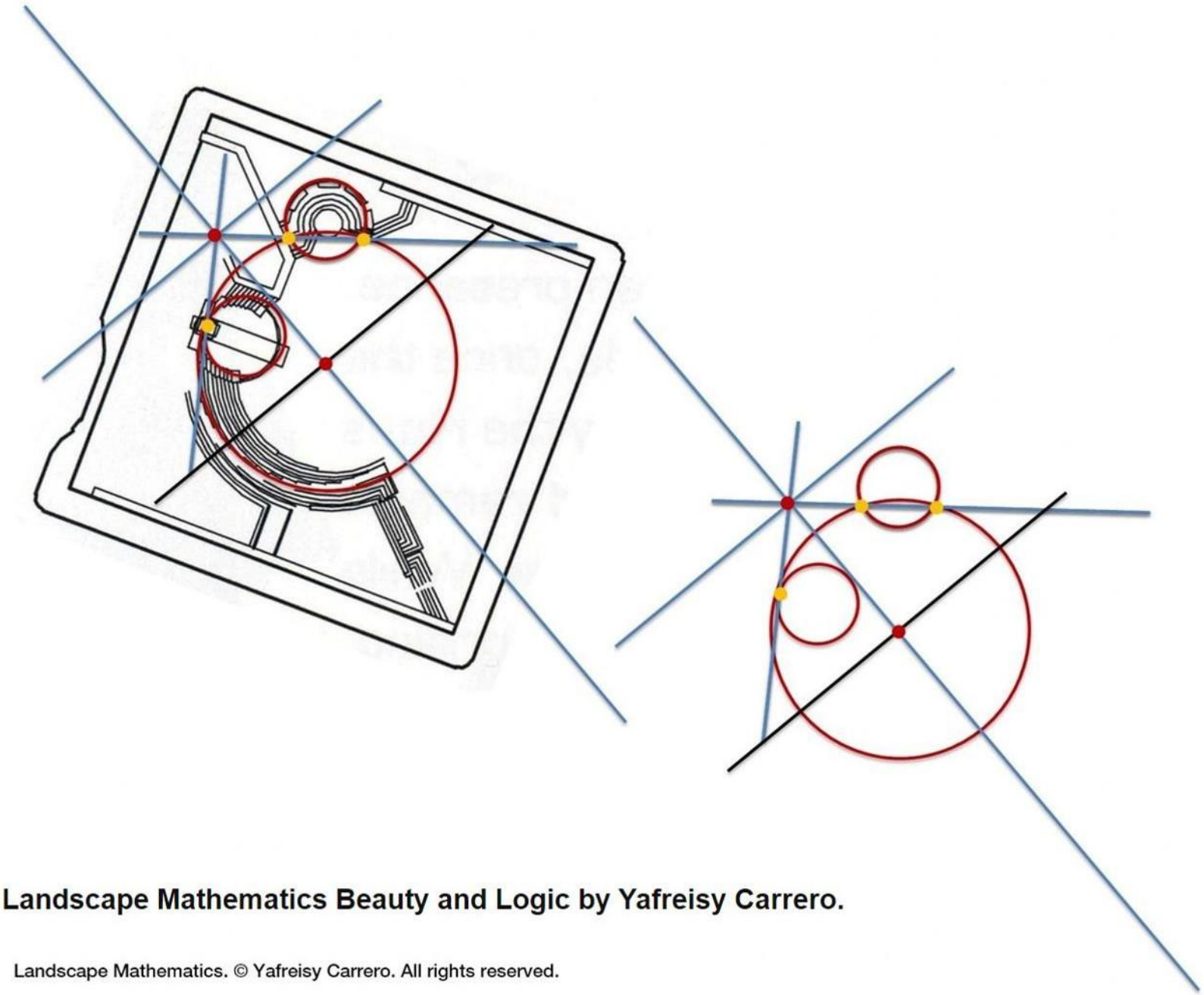
Landscape Mathematics System of the Pioneer Square | 2

The axial lines provide the reference to determine the center of Earth. Showing that the circular orbit of the Sun is tangent to the Earth's position, and the circular motion of a particular planet is secant to Earth.



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Landscape Mathematics System of the Pioneer Square | 3

The Earth is divided into four equal quadrants; following the laws of trigonometry and Euclid's Postulates, one can calculate the distance of the Sun and other planets from Earth.

Landscape Mathematicians design with numbers subconsciously.

The Third Law of Landscape Mathematics states that the moment you start to recognize and understand that mathematics is the language of nature, and see the unseen laws of this beautiful world of numbers, and mimic its logic to create original systems, you are a Landscape Mathematician.

We continue to advance with Landscape Mathematics. The Pioneer Courthouse Square expresses the in-between of a different spectrum. The model created in the square reminds us of how much progress we have made as human beings in this world of numbers. We just discovered that there are two different models of the solar system facing each other: the Ptolemaic principle from Pioneer Courthouse Square, a plaza on Earth, and the Copernican system from Space.

The complete and original text appears in *Landscape Mathematics, Design with Numbers* by Yafreisy Carrero.