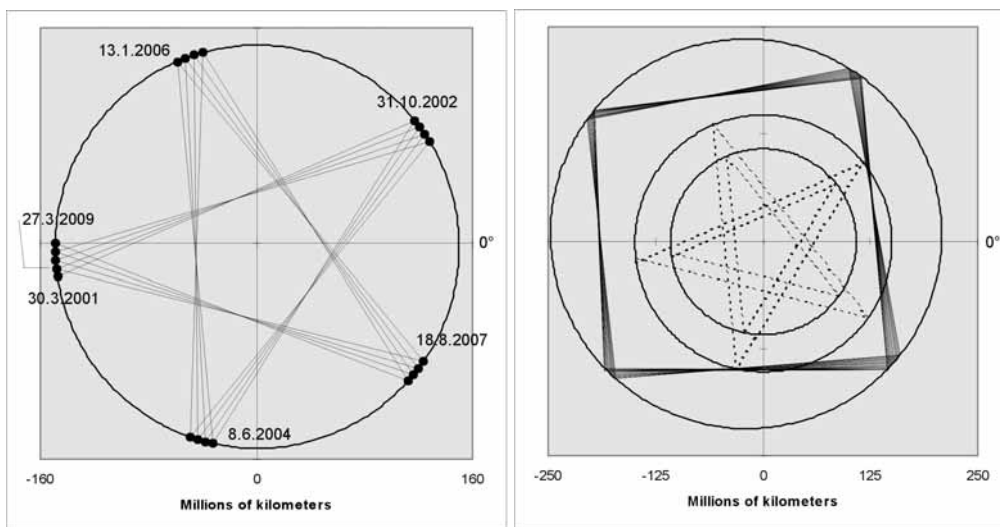


### Figure 3 Venus - Earth - Mars

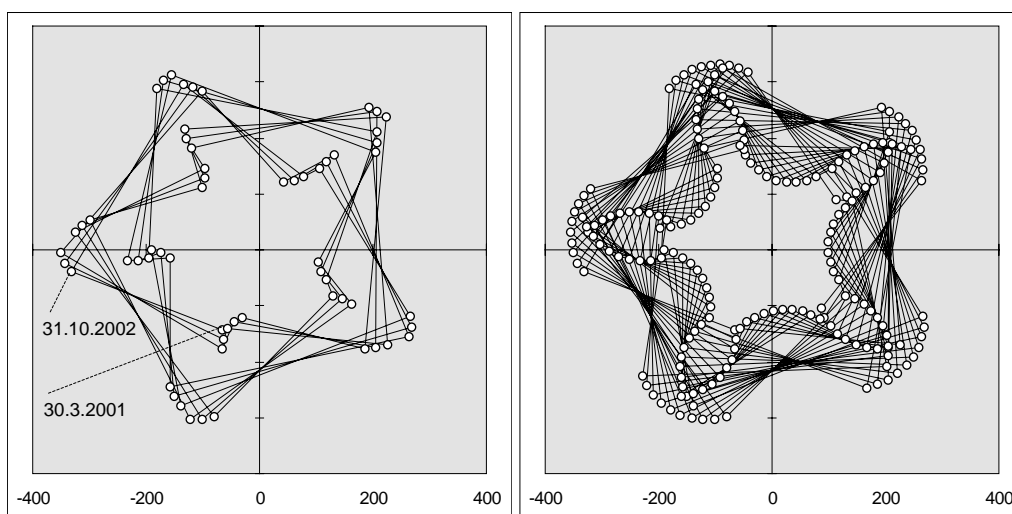
Venus-centred view of Mars at Venus/Earth conjunctions, beginning 30 March 2001, 800 times, period ca. 1,278.9 years. The bright points represent the planetary positions. The red lines are the successive connections between two positions.

This figure represents an overall picture of the truly astonishing geometric configuration that exists between the Earth and its two cosmic neighbours. The relationship of the conjunctions between Venus and Earth is expressed in a fivefold loop figure or in a pentagram, the *pentagramma veneris*, which has been known for a long time, possibly since ancient times. If the positions of Mars are continuously plotted, always when a five-pointed star is perfect (after almost exactly 8 years), an exceedingly exact four-sided figure emerges:



Left: Venus/Earth conjunctions, shown in the Earth's orbit (21 times), beginning 30 March 2001. Right: Mars at Venus/Earth pentagrams (150 times); from the centre: Venus, Earth and Mars orbits. Period ca. 1199 years. The five-pointed star is marked here only once. Heliocentric representations, scale in millions of km.

The 20 overlapping circles of Figure 3, formed by the planetary positions, result from the numbers five and four. The formation of the figure comes about as follows:



Left: 60 times, period ca. 95.9 years; right: 200 times, period ca. 319.7 years.