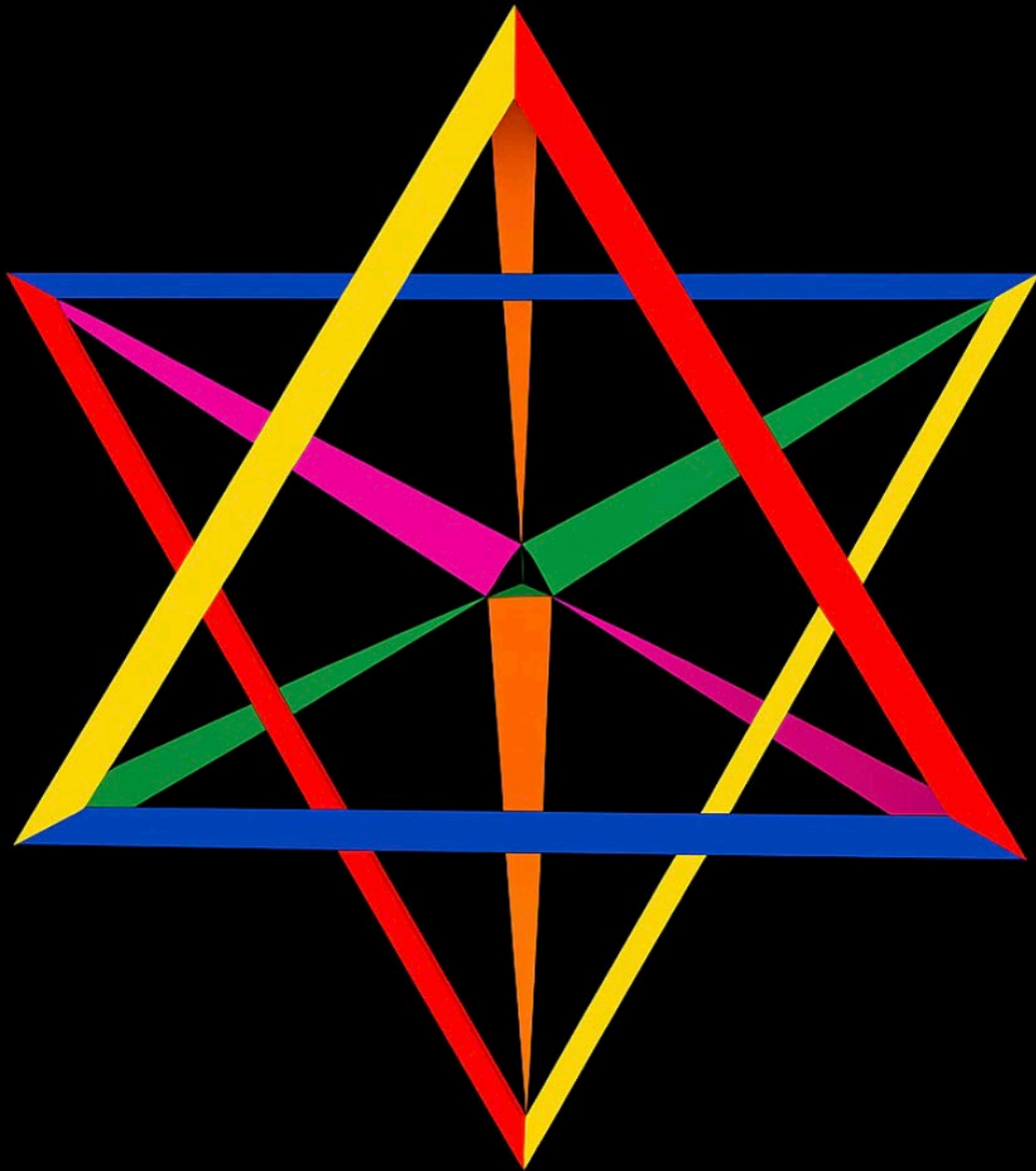


I Ching, Multiple Dimensions, and Hyper-Spherical Geometry



By James Richard VanDyke

A hyper-sphere is defined as a dual membrane surface, with one inside and one outside. The Cover models a Cooper pair of electrons by joining a left-handed and a right-handed pair of tetrahedra. They merge together to form a star tetrahedron. Out of the possible merges there is one combination of the tetrahedra that models a spin-1 Cooper pair. Each geodesic arc, containing an edge of the spherical tetrahedra, defines a half plane. In the entangled spin-1 pair, the corresponding diametrically opposite edges complete these planes, they share the same spatial proximity, and their spins add together. The pictured tetrahedra demonstrate this with the six colored planes. There are three pairs of planes that are mutually perpendicular to each other. Each edge represent one of the twelve dimensions, and their medium of display represents time.