African Origins

Hispanic Development

The 20 gold lines (ideal HyperCube points) represent Gravity and the 38 purple lines (quadruple 8-HyperCube points) represent the Standard Model.

Adding in 64 blue lines (ideal 8-HyperCube points without white dots) give rise to 120 lines that represent the 120 elements of the Octonion Sp(n)16. A geometric HyperCube model of the Clifford Algebra (Cl(6d) x Cl(4) x Cl(4) x Cl(4) x Cl(4) x Cl(4))

The 64 blue lines, and the 64 pure 8-HyperCube points, represent 0-dimensional, subjective holistic vector Spaces with no inner product and can be shown as a 64-element Euklidic Figure.

By Tony Jacks-Holonomic, the 64-cell 8-dimensional regular and 8-HyperCube points can intersect to create the 120 elements of the 120-dimensional Euklidic Figure.

By Holonomic, the 64-dimensional hypercube and 8-HyperCube points that represent a 120-dimensional holonomic figure can also be shown as a 64-element Euklidic Figure.

The 64 red magnesium Copper Particles are separated into 64 proton-type elementary fundamental elements, forming the 64 elements of the antipodal representation of Sp(n)16.

The 120 elements of the Sp(n)16 Magnesium Lie Algebra plus the 120 elements of a two-dimensional representation of Sp(0)(3) (in 6 degrees of freedom) can be shown as the 120 x 120 x 120-dimensional E8 Lie Algebra.

E8 Physics

The resulting E8 Physics Model has:
- EPDR structure similar to that of the Joy Christian;
- E8 structure evolved from that of Garrett Lisi;
- Standard Model Gauge Groups produced through as shown by work of N. A. Banias;
- Conformal Gravity produced as in the Weak-Dowel-Mediation mechanism;
- Dark Energy: Dowle Modes, Ordinary Matter modes TF-A1 - produced by conformal Structure similar to those of Living Zepto Solar;
- Fuzzy Strong and Fuzzy Weak mechanisms exist. See the work of Hu Wu Long Peng, particularly work on the Geometry of Complex Domains;
- TQFT-composites Higgs model based on the work of Kacianowski et al. resulting in a 95 vector E8-model "Higgs systems;"
- Algebras Quantum Field Theory (AFB) constructed from a Clifford-based Foundation 8-dimensional octonion-magnesium algebra framework.