A musical tribute to Filippo Brunelleschi's Intelligent Design/Build/Genius of Il Duomo

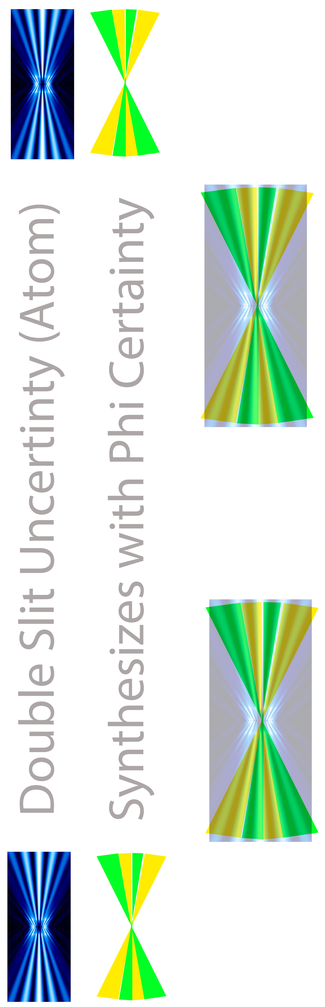
The harmonic series, the orthogonal Well Tempered spacing/timing, the Vanishing Point & the *irrational certainty* of Phi-generation are all evident in *Quinto Acuta* design & build of Cattedrale di Santa Maria del Fiore in Florence.

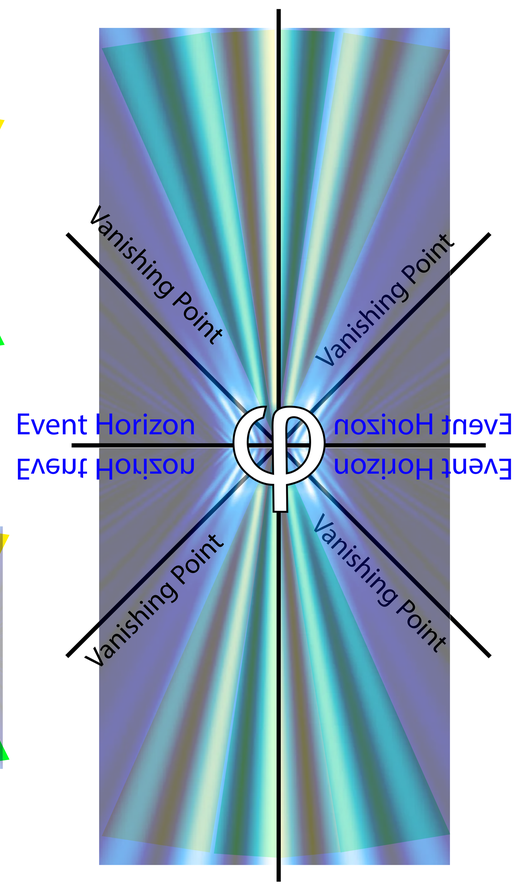
http://www.gci.org.uk/Documents/Logical_Beginnings.pdf
http://www.gci.org.uk/movies/even_&_odd_.mp4
http://www.gci.org.uk/movies/42.mp4

https://www.newscientist.com/article/2409196-famous-quantum-experiment-could-be-shrunk-to-the-size-of-a-single-atom/

Double Slit Uncertinty (Atom)

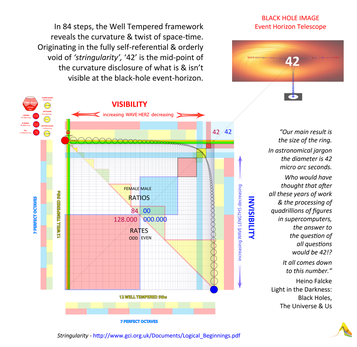
Synthesizes with Phi Certainty



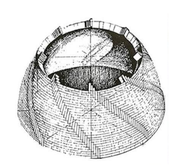


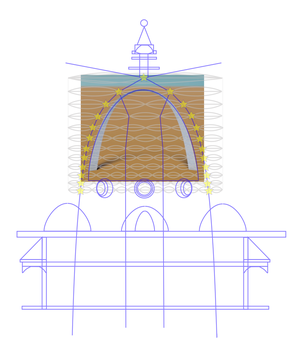
Polygons, the Pythagorean Comma & Fibonacci numbers constitute *irrational but perfect certainty* in Phi Generation, synthesized here as the *musical* Duomo of Florence.

Synthesizes with Vanishing-Point



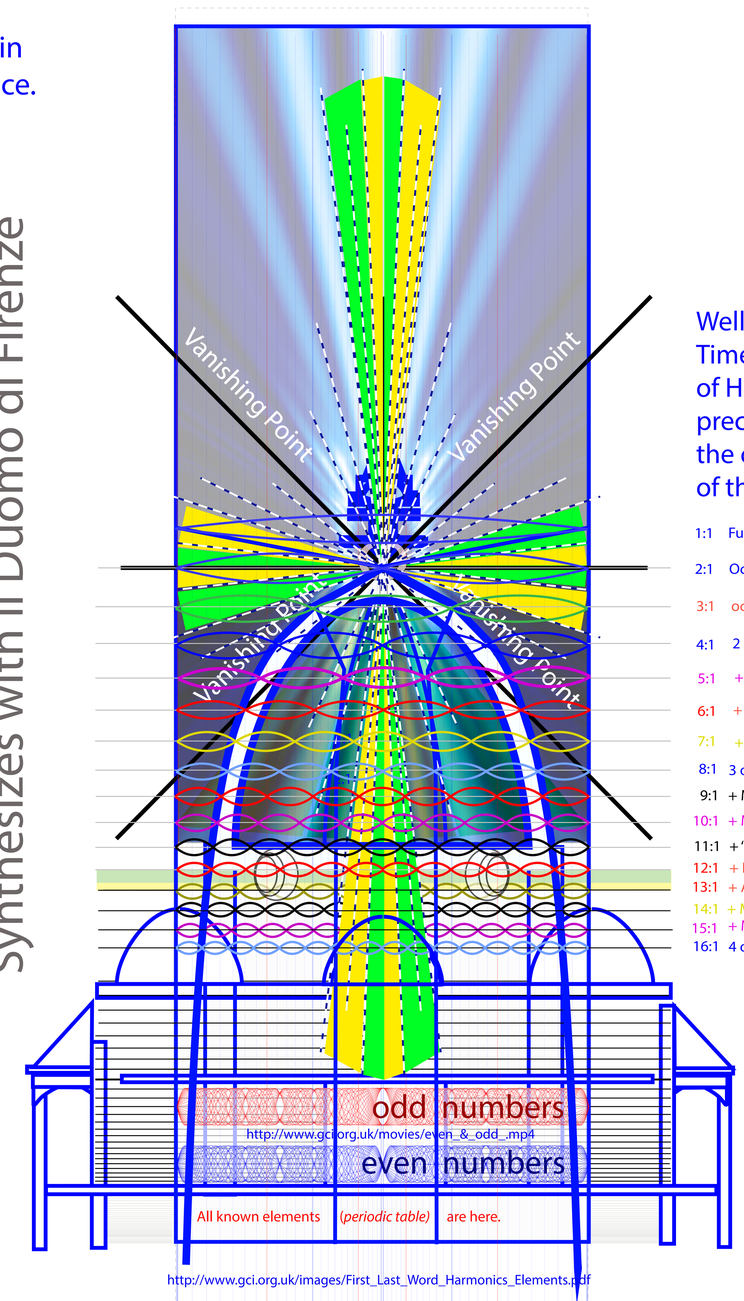
Event Horizon





Matching the Event Horizon (the 'ring'), Brunelleschi's 'vanishing point' & the '*Divine Proportion*' Golden Spiral @ Phi.

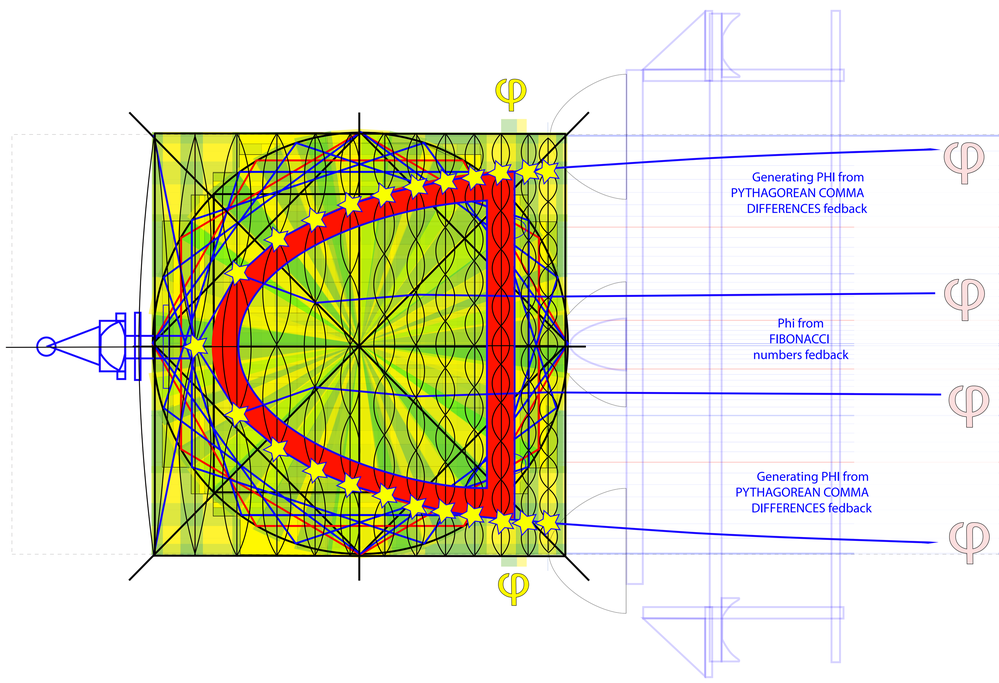
Synthesizes with il Duomo di Firenze

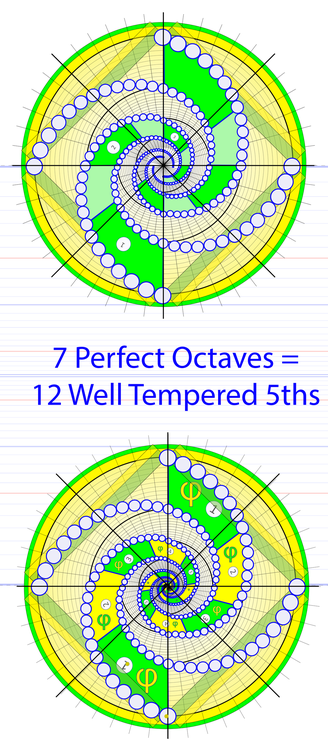


Well Tempered Time/Spacing of Harmonics precisely match the curvature of the dome

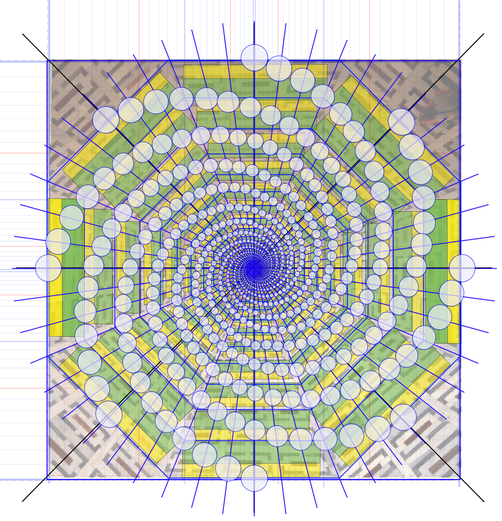
1:1 Fundamental
2:1 Octave
3:1 octave + Perfect 5th
4:1 2 Octaves
5:1 + Major 3rd
6:1 + Perfect 5th
7:1 + Minor 7th
8:1 3 octaves
9:1 + Major 2nd
10:1 + Major 3rd
11:1 + 'Tritone'
12:1 + Perfect 5th
13:1 + Augmented 5th
14:1 + Minor 7th
15:1 + Major 7th
16:1 4 octaves

The octagonal floor plan came later, optically, phonetically & harmonically reflecting the well tempered *acutely* & *quintessentially musical dome*.





7 Perfect Octaves =
12 Well Tempered 5ths



http://www.gci.org.uk/movies/Well_Tempering_Certain_Uncertain_2.mp4
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