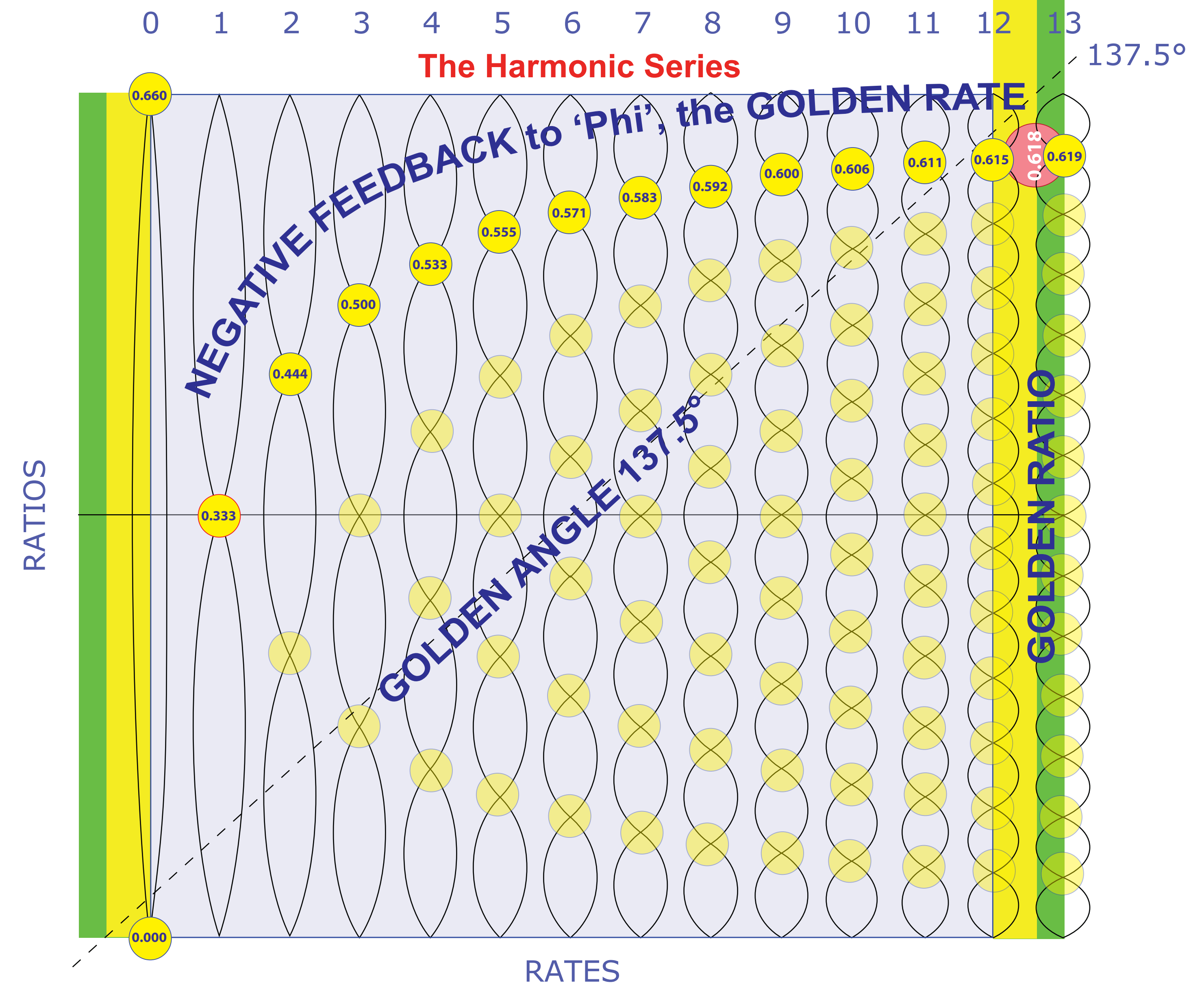
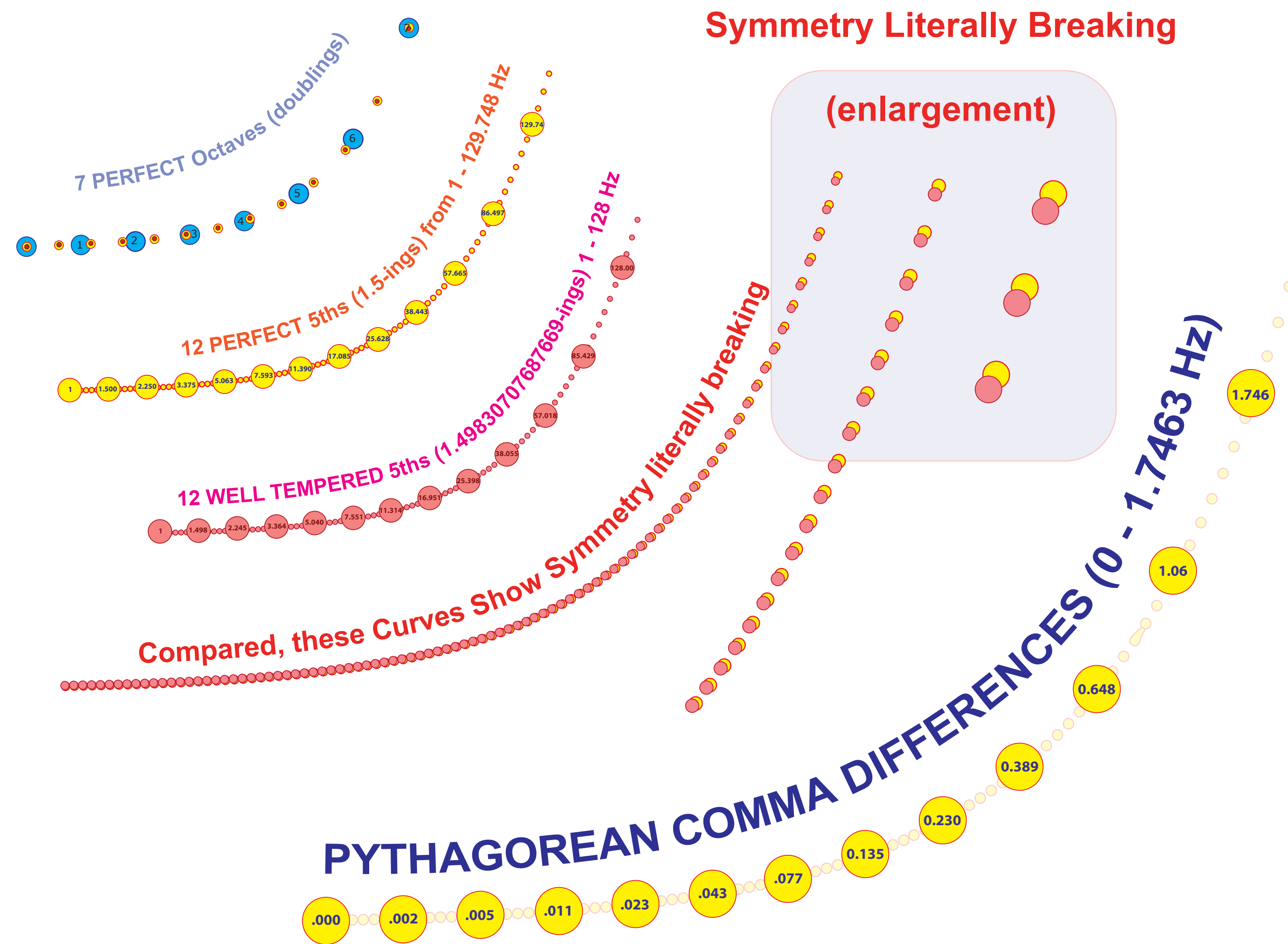


'Phi is derived from Stringularity'.

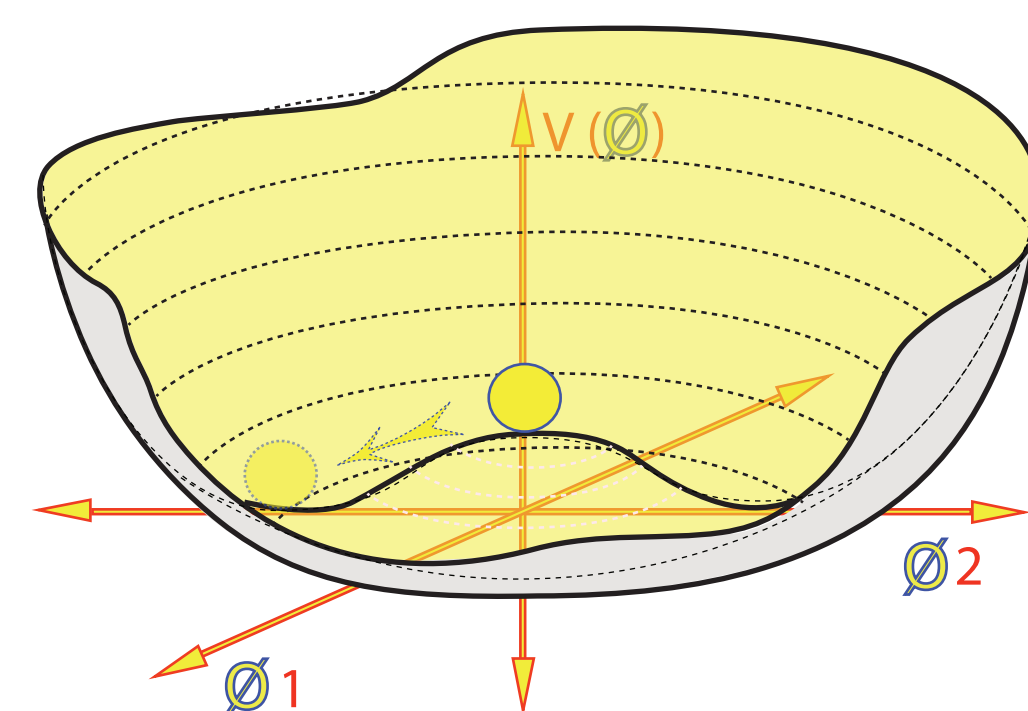
The void is well-tempered (Tonelli). This 'stringularity' reveals the derivation of 'Phi' at step 12.618 of the Harmonic Series. Symmetry-Broken in the progression of 12 Perfect 5ths compared with 12 Well-Tempered 5ths, also shows Symmetry-Unbroken when the differences between these (12 steps 'Pythagorean Comma') are fed-back on themselves. Neg-entropy the precursor of 'life' starts here (Schrodinger).

http://www.gci.org.uk/Documents/Logical_Beginnings.pdf



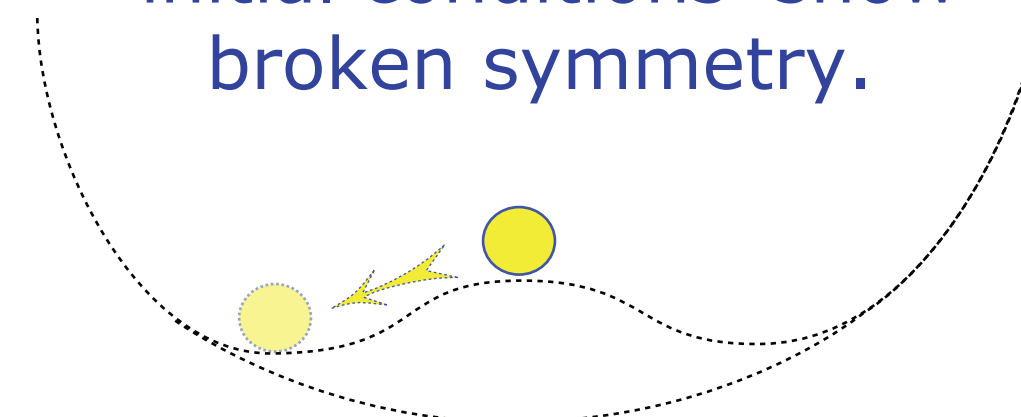
'Phi' does not come from 'Symmetry-Breaking', as in the 'Mexican Hat' showing 'Phi' in the 'Higgs Field'. Nor does it originate in the square root of 5 plus 1, all divided by 2. These arguments are deus ex machina i.e. after the fact.

Mexican Hat



Symmetry Broken

In the chaotic model, 'initial conditions' show broken symmetry.

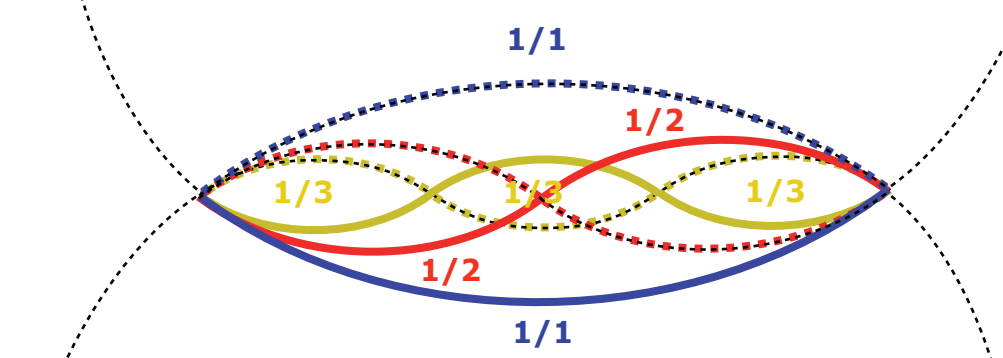


Source-certain, self-referential Phi Derivation

Here are 12 Pythagorean-Comma differences fed back on themselves giving 'Phi' at step 12.618

'Stringularity'.

In this non-chaotic model, 'initial conditions' are 'well-tempered'.



Hemiola - 1:2:3

Symmetry Unbroken

In this natural-order, 'initial conditions' are super-symmetrical.

