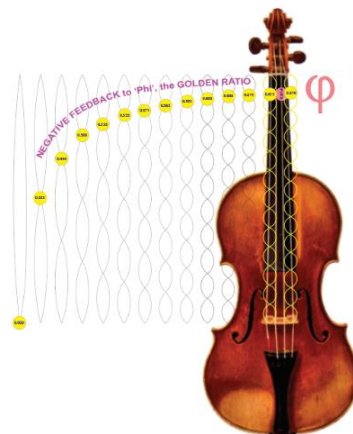


'Stringularity'- [\(equal temperament\)](#)

The Natural Order of the Void is Well-Tempered

13.8 Billion years ago, the 'void is net-zero'. Sometimes known as 'quantum-foam', it is also inscribed with the well-tempered source-code (Prof Guido Tonelli – CERN). This means the rates & ratios of the **Harmonic Series** are also inscribed. The **Harmonic Series** is measurably the major chord of force-majeure. This seminal signal is self-referentially certain, complete & net-positive. Put simply, the 'net-zero-void' is not unlike the phenomenon of [vibrato](#) as in string playing for example.



12 perfect fifths (Hertz treblings) proceed as: -

1.000 1.500 2.250 3.3750 5.062 7.593 11.390 17.085 25.628 38.44, 57.665 86.497 **129.746**

while 12 well-tempered fifths proceed as: -

1.000 1.498 2.244 3.363 5.039 7.551 11.313 16.951 25.398 38.054 57.017 85.429 **128.000**

So, 7 perfect octaves (Hertz doublings) as 1 2 4 8 16 32 64 **128.000** show 'equal temperament' where 7 perfect octaves equal 12 *well-tempered* fifths at **128.000** in a total of 84 steps (7*12).

In his remarkable book '[Genesi](#)' Prof Tonelli says, "*original chaos, understood as the void, is anything but disorderly. There is no more strictly ordered, regulated & symmetrical system than the void. Everything belonging to it is strictly codified, every particle of matter goes hand in hand with its corresponding antiparticle, every fluctuation dutifully observes the constraints of the uncertainty principle, **everything moves to a cadenced and well-tempered rhythm**, a perfect choreography without improvisation or virtuosic excess.*" **Feedback** to the above goes further

(1) **differences** between 12 perfect & 12 well-tempered fifths

0.000, 0.001, 0.005, 0.011, 0.022, 0.042, 0.076, 0.134, 0.230, 0.388, 0.647, 1.067, 1.746

fed-back on themselves curve to the Golden Section 'Phi' or 0.618 in step 12.618 as

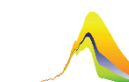
0.000 0.333 0.444 0.500 0.533 0.555 0.571 0.583 0.592 0.600 0.606 0.611 0.615 0.619

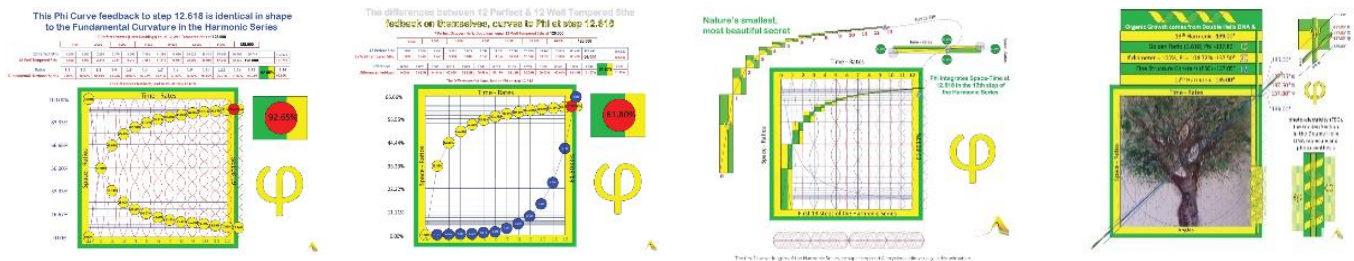
(2) "*Our main EHT result is the size of the ring. The diameter is 42 micro-arc-seconds. Who'd have thought that, after all these years of work and the processing of quadrillions of figures in super computers, the answer to the question of all questions would be 42?! It all comes down to 42.*"

Heino Falcke Chairman Event-Horizon-Telescope (EHT). [Even well-tempered, half of 84 is '42'.](#)

These are quantized in space-time (vide symmetry-binding; Fine Structure Constant [FSC]; photo-electricity; Pi; Phi; Logarithmic Spiral; Higgs Boson; neg-entropy; photo-synthesis; DNA; organic growth; see audio-visual animations below: -

[Harmonic-Series](#) [MajorChord](#) [Pythagorean](#) [Comma](#) [Differences](#) [Feedback](#) [Lead to Phi](#) [Nature's Secret](#) [Angles](#) [FSC](#) [Pi](#) [Phi](#) [DNA](#) [Stringularity](#) [Entanglement](#) [Harmonic Series](#) [Certainty/Uncertainty & Il Cannone](#) [\(violin Strings\)](#) [Lute Frets & Galileo](#) [Logarithmic Spiral](#) [Dynamic](#) [Natural examples of Spirals](#) [Spiral Galaxy](#) [Absolute Relativity](#) [Odd](#) [Even](#) [Musical](#) [Wave](#) [Resonance](#) [gci.org.uk/movies/42.mp4](#) [CERN Standard Model](#) [& Phi corrections for Gravity & symmetry binding](#) [Symmetry Binding](#) [The Well Tempered Climate Accord](#) [The Higgs Boson](#) [Equal Temperament](#) [7 Perfect Octaves](#) [12 Well tempered](#) [5ths](#) [Levelling Up](#) [While Slowing Down](#) [Phi-Curve-Related Domes in history](#) [Il Duomo Florence](#) [Brunelleschi](#) [Wavelengths for Odd & Even Numbers make Dominant 7th chord structure together](#)





"Many thanks for sharing these with me. I'm happy to know that I might have contributed to your beautiful work. The links between music & cosmology are intriguing." **Guido Tonelli**

"Measure the measurable & make measurable the unmeasurable." **Galileo Galilei**

"The Tao begot 1; 1 begot 2: 2 begot 3 & 3 begot the 10,000 things. These carry yin & embrace yang. They achieve harmony by combining these forces." **Lao-tzu**

"With a string of constant length at constant tension, halving the wave-length doubles the frequency & thirling the wave-length trebles it (etc)." **Pythagoras string-experiment.**

"Nature is the realization of the simplest conceivable mathematical ideas". **Albert Einstein**

"A deep simplicity underlies all complexity." **John Gribben**

"It is my opinion that everything must be based on a simple idea. And it is my opinion that this idea, once we have finally discovered it, will be so compelling, so beautiful, that we will say to one another, yes how could it have been any different." **John Archibald Wheeler.**

"I have often made the hypothesis that ultimately physics will not require a mathematical statement, that in the end the machinery will be revealed and the laws will turn out to be simple, like the chequer board with all its apparent complexities." **Richard Feynman.**

A chequer board is 8 rows by 8 columns giving 64 squares. [Side-by-side 2 chequer boards show the signal value of 128 squares where 7 Perfect Octaves = 12 Well Tempered 5ths.](#) 12 rows by 12 columns give 144 squares & as a perfect square, 12:12 also gives a perfect circle for angles to be demonstrated for the Fine Structure Constant, Pi & Phi & their relationship with Photoelectricity, Photosynthesis & the Golden Sectional structure of the double-helix strands of the DNA molecule, as suggested in the 4th animation listed above.

Violin pictured - [Il Cannone](#) (Guarnerius del Jesu; 1743) played by Nicolo Paganini.
Physicists on Music [Physicists on Music](#)

