# Musical Life (Version II)

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## **Abstract**

In this research monograph, the author presents a 'Holistic And Optimal Scheme For Music Composition'. The author uses the language of 'Samskrutam' and the 'Carnatic' Music Basis for such a construction.

## **Theory**

Firstly, one should that according to 'Carnatic' Music Bases, there are three types of bases, namely 'Swara', 'Raga' and 'Tala'.

Basically, we have the seven notes of fundamental kind listed below Sa-Rey-Ga-Ma-Pa-Dha-Nee-Sa

Therefore, one can make at least 7!=7x6x5x4x3x2x1=5040 number of distinct notes by just using them all in (all possible various arrangements) each only ones.

Therefore, one can construct the Recursion Schemes of all these 5040 notes using the authors Primality Engineering Technology. Furthermore, one shoud note that one can consider making notes taking one at a time, two at a time, three at a time, and so on so forth using all at a time. This gives us

Music Segment with only 1 Note can be composed in (7 ways) = 7 ways

Music Segment with 2 Notes can be composed in (7x6 ways) = 42 ways

Music Segment with 3 Notes can be composed in (7x6x5 ways) = 210 ways

Music Segment with 4 Notes can be composed in (7x6x5x4 ways) = 840 ways

Music Segment with 5 Notes can be composed in (7x6x5x4x3 ways) = 2520 ways

Music Segment with 6 Notes can be composed in (7x6x5x4x3x2 ways) = 5040 ways

Music Segment with 7 Notes can be composed in (7x6x5x4x3x2x1 ways) = 5040 ways

Therefore, one can make any musical segment having all of its notes being distinct and non-repeating in 13699 number of ways which is gotten by adding all the aforementioned number of ways.

Assuming that all these types of musical segments form the Universe of distinct notes that are used only once, we now arrange all the above 13699 musical segments along the Prime-Metric by finding an appropriate basis to do so. {see author's works at <a href="www.vixra.org/author/ramesh chandra bagadi">www.vixra.org/author/ramesh chandra bagadi</a> } to know more on such alignment of any set's elements along a specially designed Prime Metric of concern.

Note: If this not possible at some places along the Prime Metric, one can insert necessary notes that fills in the blanks as a nicely joining 'Cadence' segment.

Now, one can note that this particular sequence of musical segments will be one 'Holistic Optimal Musical Super-Segment'. One can find the Recursion Scheme of this 'Holistic Optimal Musical Super-Segment'. Also, one can evolve this segment to the level of the Universe, i.e., until it shows semblance with the Recursion Scheme of the Universe we know of, sans the magnitude aspect as the magnitude of the Recursion Scheme of this 'Holistic Optimal Musical Super-Segment' will be very tiny compared to that of the magnitude of the Recursion Scheme of the Universe.

Note: One can also construct Musical Segments with repeating (more than once) notes as well, but we need to first align any such segment along the Prime-Metric by finding an appropriate basis to do so.

Note: If this not possible at some places along the Prime Metric, one can insert necessary notes that fills in the blanks as a nicely joining 'Cadence' segment. As a matter of fact, one can use this restriction of alignment of any Music Segment along the Prime Metric as a quality test. One can note that one can take this as a Universal Scheme to know the lacunae of any system of concern.

Furthermore, one can also align music notes temporally along the 'Recursion Scheme' of 'TIME', of 'SPACE' and/ or of 'SKY', of 'WATER', of 'FIRE', of 'EARTH', of 'AIR', of 'Any quality of concern' such as 'Harmony', 'LIFE', etc., that we wish to impart to our Music.

Once, one constructs such 'Holistic Optimal Musical Super-Segment', one can also super-impose on this notes all 'Complete Recursive Subsets Of Set Of 'Holistic Optimal Musical Super-Segment' And/ Or Orthogonal Universes In Parallel Of 'Holistic Optimal Musical Super-Segment' In Completeness' which is technically referred as 'Musical Overtones' and/ or the latest and recent 'High Density Music'. One should however note that such Sub-Sets must also conform to the alignment along their respective (specially designed) Prime Metric of concern. When we implement such overtones native to the music segment in the above mentioned fashion holistically, such a music segment is supposed to have 'Life' especially when the Musical Notes conform {they (some may) and (some may not: if they do not, we can modify them by adding (and/ or removing) some other notes and also resorting to repetition in order to achieve such desired confirmation)}, to a Sequence Of Primes of any specific order of concern. Therefore, consequently, such 'Life-Music' also helps one infuse life into 'Life-Less' and/ or 'Life-Devoid' souls. Also, this technique can be generically taken to make any system 'Life-Like' holistically. That is one can make any system at the necessary least count of life desired such that they can be responsive and interactive. For example, if one knows the least count of energy at which a certain plant seeks energy, i.e., exchanges energy, one can use this least count of energy to design a sunlight (and/ or artificial light) stream characteristic of such 'Life-Like' 'Complete Recursive Subsets Of Set Of 'Holistic Optimal Musical Super-Segment' And/ Or Orthogonal Universes In Parallel Of 'Holistic Optimal Musical Super-Segment' In Completeness' which when used on this plant will help it grow. When we hyper-refine this least count and increase the frequency of the application of this light stream on this plant, one can note accelerated growth as well.

One can also consider all the words of a dictionary of any language of concern and slate them in a musical note fashion and for any given music segment one can even extract the meaning of the same by noting its co-incidence {this can be found using the author's research monograph number 12 listed in the References} with any word of concern in the dictionary of the language of

concern. For this analysis one should also find the complete set of evolved meaning(s) found along the Prime Metric when any word of concern is evolved till it reaches the recursion scheme of the 'word' universe. One should do so for every word of concern of the dictionary of any language of concern.

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