

This has gone past my knowledge base. Let's go back to building the model, based on the simple argument that "reality is infinitely divisible".

We will describe how an infinite reality is born spontaneously from void through the simple interaction of the infinite divisibility of reality and the unreachable balance point that that infinite divisibility creates. We will describe the first of three "recursions" of reality, and in doing so will tie together classical physics and quantum mechanics.

We will show that the long sought after "Theory of Everything" was discovered 2,500 years ago in what is now China by a man named Lao-Tzu. We know little of Lao-Tzu other than that he lived well before the language of modern science, mathematics and physics, and yet was explained the nature of reality in deceptively simple, naturalistic language in a book we call the Tao Te Ching.

We will show that two simple mathematical equations:

First you have void where everything and nothing, chaos and order exist in perfect balance.

- Taoism: The eternal Tao
  - "The Tao that can be told is not the eternal Tao. The name that can be named is not the eternal Name." (Ch. 1)
    - Has been treated as metaphysical but in reality explains the void, the Tao, as a situation without duality, because naming a thing creates its opposite.
- Classic Physics: The Singularity
  - All of reality in a single point
- Quantum Mechanics: The quantum soup
  - matter and anti-matter instantly annihilate each other upon coming into existence
- The "singularity" that preceded the "big bang"
- Recursion Model:  $R_0$

In this void lives the infinite improbability and infinite probability that an imbalance would arise.

- Taoism

When that imbalance occurs, say slightly more everything than nothing, it creates duality.

- The

Because reality is infinitely divisible, an imbalance at any scale means imbalance at every scale. What once was a one dimensional void/potentiality ( $P_1$ ) recurses and a 2-dimensional gradient is born, from infinitely more nothing than everything on one side to infinitely more everything than nothing, what we now refer to as dark matter and matter.

Because reality is infinitely divisible, any attempt to find the perfect center of that (or any) infinite gradient is impossible. No matter how close you are to  $O_1$ , you can always cut that distance on half.

## Glossary of Taoist terms:

### Tao

- Taoism: The Way, the unnamable source, the origin of all things
- Recursion Model:  $R_0$  - the unnamable, implicit recursion
- The unnamable, implicit recursion origin
- The generative structure behind all recursion levels

### Te

- Virtue, power, expression of Tao in the real world