

One approach to understanding Big Picture [Reality]

By John Raymond

Abstract

An influence existed before the Big Bang. It is this influence that was responsible for all that emerged and took place after the Big Bang. This includes gasses, dust, electric fields and most importantly fundamental particles like gluons and quarks. Physicists believe that these two particles “glue” the universe together. It is impossible know about all these things, but we can try. This is by calling all that “IS” information. This is information waiting to be understood and explained. I have demonstrated how these things may have occurred and what the everyday flow on effects might have become today. I have explained how this holistic information [reality] may be imagined as being a tub full of a matrix of information. This information is representative of possibilities to do something. Some may be ontologically virtual and others mechanically and temporally real. This implies that some things are without time. [Like the laws of nature and others in relationship to the speed of light and clocks]. I say that the without time reference frame is “NOW” and that NOW is the dominant property of the universe. We could not exist without it! There is a homogeneous relationship between the two. I have touched upon our relationship with this all encompassing reality system. I have primarily written for the benefit of laypersons [like me] especially keen to learn students. I have introduced bits and pieces of my more formal ideas and beliefs.

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Preamble

I have brought together items pertinent to my beliefs about the understanding of Big Picture Reality. This presentation is in three parts.

Part one: Three important descriptive keys in approaching the understanding of my beliefs.

Part two: Understanding the difference between that which is real and that which is not.

Part three: How parts one and two may come together to form a meaningful and understanding story relevant to reality.

1] The important keys

I look at reality as being in two parts. I treat the Big Bang as the reference point for separating these parts. We know that the Big Bang created all sorts of “*things*” that include gases, electrical fields, particles, plasmatic matter and probably lots of dust too. We know from this that “*something*” real [an influence] existed before the Big Bang in order to create the conditions for the explosion to occur. I call these influences before the Big Bang *information*. All cosmological things relate to energy and influences of some type. Information is an influence of some kind. We work, have fun and behave because of information we have been exposed to over time. For these reasons I believe that the word information is the most effective and meaningful way of describing “all things” both before

and after the Big Bang. This includes the conditions around which they occur.

In summary of these points:

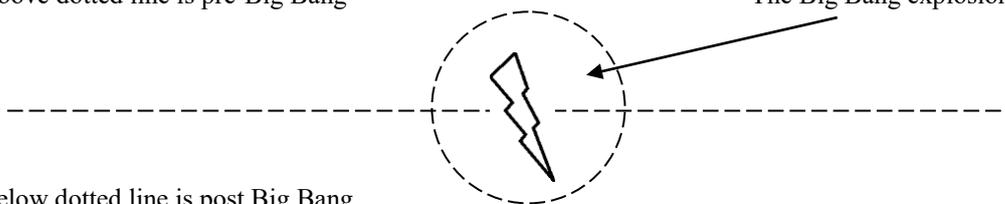
As the word “information” is pertinent to all things with respect to our universe or before it. Therefore information is a word that can be employed to all that “IS”. This also means into “without time infinity”. Mathematics can be seen in the same way. Mathematical numbers and symbols have *always* existed. Numbers and mathematical symbols are also information. Our minds and brains think about and “discover” how to employ this information. Therefore I believe that information is simply “IS”. It is the dominant feature of our lives.

2] Understanding the differences from a cosmological perspective

Separating information existing both before and after the Big Bang can be envisaged in the following way. This is from a two-dimensional illustrative perspective.

A] The Big Bang is convulsing from within pre-Big Bang informational conditions whatever they may have been.

Above dotted line is pre-Big Bang



B] Not long after the Big Bang

The above line pre Big Bang informational conditions and influences remain



The circle below the line represents the physical effects in the “new” universe not long after the Big Bang explosion. These effects would include dust, chemicals [like hydrogen and helium], gases, plasmatic matter and electrical fields. It is these combined energy-type conditions, influences and effects that contribute to the physical universe as we understand it might be.

In summary of these points:

From illustrations A and B one can imagine the conditions before the Big Bang remain as they were before the explosion. [Scientists already know about and understand many of the wide ranging energy-types conditions and influences that might be causal to an explosion of such a type].

These words suggest that the Big Bang was an energy-force. This is an energy-type and condition, influence and effect that influenced the creation of our universe.

3] How parts one and two may come together

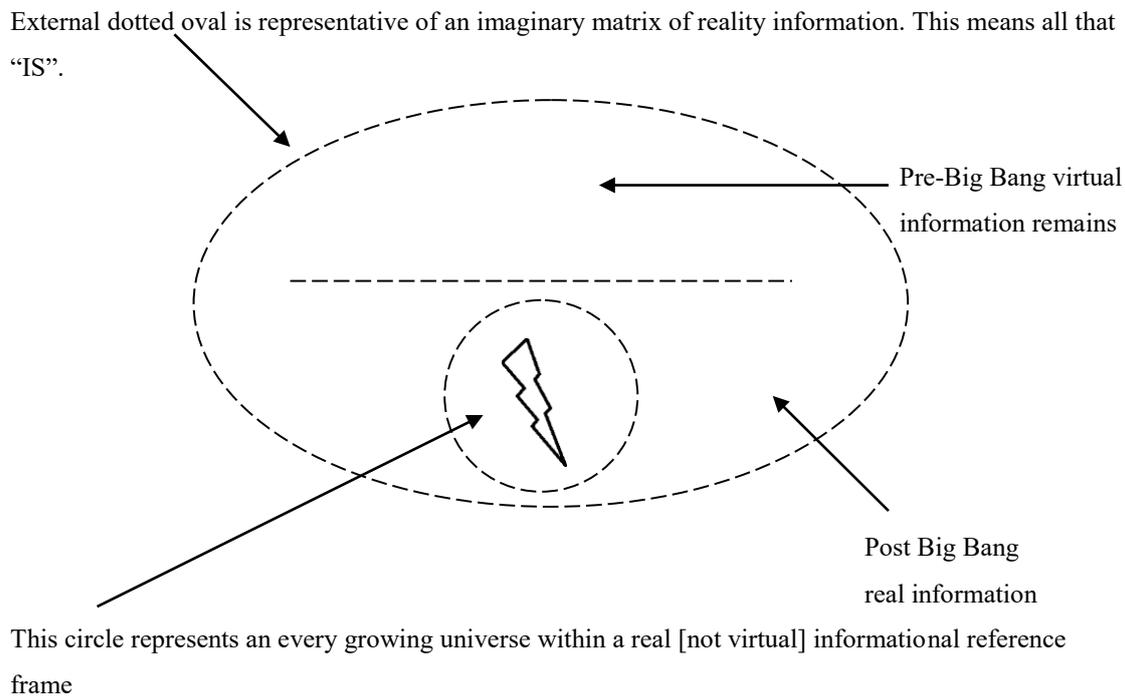
I have suggested that all information pertinent to the pre-Big Bang is virtual information. I say all information after the Big Bang is real information. This is because it relates to a universe that scientists can observe, study and conduct experiments with. Because we are incapable

of understanding and employing all of reality information, I suggest that all information that could ever exist (both before and after the Big Bang) could analogically be seen as being a tub full of limitless effervescent information. This is a tub full of informational content that is forever changing. This means that all things relating to reality are “embedded” in an imaginary tub that can scientifically be referred to as being a matrix of information that relates to all things. This means all that “IS”.

I believe that this ever-changing matrix of information can influence itself to form patterns of information that mean something. This is unto itself and other things. It is as though the information in the matrix is an imaginary neural network of *possibilities to do something*. From this neural network, sufficient patterns of information types emerge that can then shift from being possibilities to do something to ones having the *capacity and properties to influence real things*. This is to think about and influence the conditions for chemical energy types, conditions, influences, effects and like to take place. This is for the construction of the universe and maintain it as some scientists believe. This is also life and these systems and the systems and processes to maintain it.

Thus I have metaphorically seated the pre-Big Bang virtual information, the Big Bang (the explosion itself) information, and the post Big Bang real information into a *single* matrix of information. This is the analogical tub of information discussed earlier. Illustration C and the explanation that follows seek to demonstrate and explain these words [in lieu of a separate summary].

C] Sometime after the Big Bang



With respect to the real [not virtual] post Big Bang information, as it relates to *all* things within the circle in the universe, I suggest that this real information is four real energy/influence types. I say that all things in the universe are either indivisible [like nature], divisible [like speed], and that these two 'things' are somehow influenced by electricity and electromagnetism. I debate that these same four informational energy-types [influences] already existed in a virtual [unknowable to us] reference frame before the Big Bang. This is also as shown in illustration C above. This means that I am suggesting that *all* things related to reality are either real or virtual [ontological or temporal]. These two real and virtual things have their own respective energy and influence types, conditions, influences and effects. Virtual information is information that is also an analogical possibility to do something that has meaning and purpose for us.

Summary of contents

- 1] All things in reality are informational.
- 2] All information pertinent to reality can be seen to be like an analogical tub [matrix] of information.
- 3] The Big Bang is representational of the reference point of all things that are virtual before the Big Bang, and are real after the Big Bang.
- 4] In the post- Big Bang universe it is information that is identifiably real. This is because it can mostly be observed, measured and tested. [Not all influences can be]. In the pre-Big Bang informational matrix the information is virtual. This is because we do not know if the information is derived from another dimension, universe or whatever.
- 5] All information whether real or virtual can also be seen as being in different physical and metaphysical energy/influence types in differing ratios, densities and averages with each other. It is these types and variations that informationally render reality as having meaning and worth of some kind.
- 6] Indivisible ontological energy is the dominant informational type [energy-influence] in the universe. Without indivisible energy (like nature) the universe would have no physical meaning or identifiable purpose.

7] All minds, thoughts and packages of thoughts are indivisible. Consciousness and sub-consciousness are divisible. This is because our “temporal” brains can structurally consider information within them.

8] Information outwardly exists into a “without time infinity”. This includes historically. Mathematics and symbols relating to “reality” symbolically do too.

9] Science continues to debate the relationship between mechanical and non-mechanical “things”.

10] The laws of nature need some sort of invariant medium [like the Big Bang] to be real.

11] The laws of nature retain the ontological foundational conditions [like metaphysical fractals] that demonstrate universal symmetry.

12] Variables relating to symmetry are able to be supported and understood by algebraic and geometric equations in mathematics as well as computer simulation.

If you have a physics background you may better appreciate and understand my text herein if you read NewScientist magazine article of 11 July 2018. I quote the abstract of this article as follows:

Quote:

“Is this our first clue to a world beyond quantum theory?”

By Bob Henderson

NATURE gives rise to weird and wonderful things: dancing plants, sailing stones, flamingos. But no one, except perhaps on a hallucinogenic trip, has seen a flamingo melt into a wave or split itself into multiple copies. And that may be the weirdest thing of all, since our best theory of nature seems to suggest those things could happen.

That theory is quantum mechanics. Despite its spectacular success accounting for the bizarre behaviour of subatomic particles, it's not clear how, or even if, it can explain why much larger bodies don't behave in a similarly strange way. This is one reason why Einstein, among others, never accepted quantum theory as the ultimate description of nature.

Now a new experiment has seen a hint that these quantum critics may be right. The result must still be corroborated by many other tests, some now getting under way, but there's no overstating the significance if it is shown to be correct. "It would be revolutionary," says physicist and Nobel laureate Anthony Leggett at the University of Illinois at Urbana-Champaign. "It would shatter the notion that quantum mechanics is the whole story about the physical world."

The real problem with quantum mechanics is simply stated. "What the hell is it about?" says physicist Sheldon Goldstein of Rutgers University in New Jersey. Quantum mechanics describes subatomic particles using undulating mathematical objects called wave functions, which evolve smoothly over time. A particle described by a wave function is more potentiality than point. It exists in superposition, meaning, roughly, that it is smeared out in space or is in many places..."

Source:

<https://www.newscientist.com/article/mg23931860-100-is-this-our-first-clue-to-a-world-beyond-quantum-theory/>

My closing comments to consider:

1] The epoch before the Big Bang is without time. Our universe continues to “float” in this cosmological environment. Being without time this means that all things [including us] are floating in “NOW”.

2] The laws of nature need such an invariance [like the Big Bang] medium to be real.

3] When describing the laws of nature the foundational universal symmetry needs to be retained. This is the homogenous separation of that which is ontological and that which is temporal.

4] The laws of nature retain the ontological foundational conditions [like fractals] that demonstrate universal symmetry.

5] I say that the properties of the laws of nature of all that “IS” is the invariance of Bohm’s Infinite Potential model.