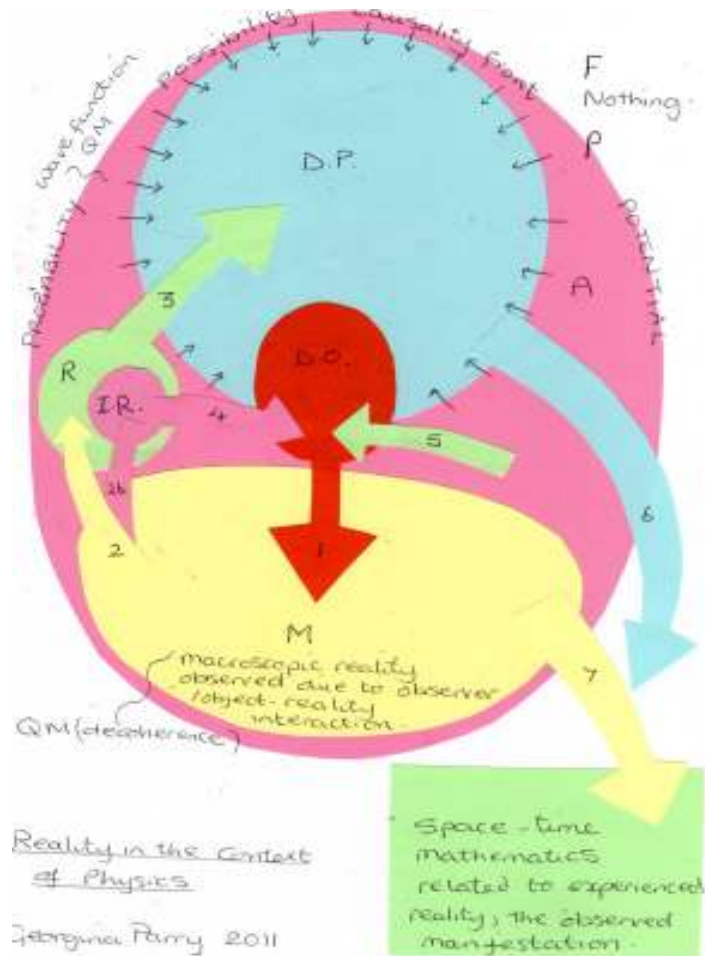


Reality in the context of physics.



Key.

F= Open future. Nothing. Nothing yet existing.

P= Probability and potential. (May be related to QM wave function)On the boundary between open future and what exists as actualisation in uni-temporal Now. Must exist within the structure of the actualised reality but is not something concretely real in itself. The causality front of uni-temporal Now where potential becomes actualisation.

A=This is uni-temporal Now. Space without time dimension. Within this space is the Actualisation/ Actualised Object reality, which is the arrangement of matter and particles within the medium of space. Which undergoes sequential change. It is unobserved and unobservable.

D.P =Data Pool.

Potential sensory data. E.M data but also sound waves, chemicals in air and liquid,

magnetic data. That data which is potentially accessible to the senses of biological organisms directly or via technology. Data passes into the pool from object reality eg by reflection or emission of EM, sound waves or chemicals from objects. (black arrows on diagram.) It is a sub set of object reality. The data is concretely real but can not be observed except through the Manifestation of it in an image reality. (May be related to ideas of a holographic universe.)

D.O= Data intercepted by observer.

The observer could be a biological organism or an artificial receptor device. D.O. is a sub set because what is intercepted depends on the position of the observer and its capabilities. Not all data in the pool will be accessible due to the limitations of the sensory capabilities of the organism or the technology available.

M= Manifestation observed. Image reality.

This is the representation produced from the data intercepted. It could be the conscious experience of a higher organism. Or film image produced by a camera or other type of representation produced by an instrument that receives data and gives an output using the input. The observed present which is a relative space-time output reality. Only exists because of observer object reality interaction. (May be related to ideas of decoherence of wave function in QM.)

R= Records. Physical records of all kinds.

I.R.= Internal Records ie. Memories. Storage of information within the biological organism through growth and connection of neurons. Subjective past. Sub set of **R**.

Entirety of reality is unobserved Object reality A, including Data Pool D.P, observed reality M and records R.

Arrows showing data flow and processes.

Small black arrows. Data passing into data pool.

1.Processing and interpretation. Input converted to output.

2.Storage of information ie. processed and interpreted data.

2b. Storage of memories/ learning.

3.Data passing from stored records into data pool available to observer. Eg reflection of light from written page or sound emitted from a device reading CD or an mp3 file.

4.Recall. Accessing of memories through brain activity making stored data/information available to the observer.

5.Data self generated by biological observer via sub conscious brain activity. Such as

Imagination/creativity, visualisation, hallucination, dream states, migraine auras and phosphenes. 4 and 5 occur within the biological observer but are different as 4 relates directly to former experience of external reality and is recall of it. 5 does not, but can be completely novel or a new conjunction of formerly unrelated data.

6. Light cone Space-time model.

7. Experimental results leading to space-time mathematics.

Direction of change.

Rather than the past becoming the present the direction of change is best imagined as the open future becoming actualised into an unobserved reality as determined by potential, possibility and probability. The sequential change of the arrangement of the actualisation is the passage of time, and gives the unidirectional nature of reality, the constant becoming of the present rather than reversion into the past. Data is emitted and reflected from the unobserved actualised reality. Some of that data can be intercepted by an observer which forms a relative, space-time representation of reality, image reality or the observed manifestation. Data and processed information about manifestations of reality are then accumulated in records, both external physical records and interval memory, which we may think of as the past. Though it is a partial, relative and subjective collection of data not an actual existential realm. The time dimension only exists within the interpretation of the manifestation of reality not unobserved actualised reality. So there can be no time travel along that dimension and therefore no real grandfather paradox.

