

The Interpretation of Dreams and Dreaming through Chaos and Complexity, Branching into Parallel Worlds and Hyper Dimensional Realms, Resulting in Patterns of Order

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Abstract:- Dreams manifest a simulation of possible worlds for the dreamer, which may be occurring in alternate worlds existing in hyperdimensions. This paper investigates the interpretation of dreams in the context of Chaos, and Complexity, evolving into events from branching processes which self organize into possible events for the dreamer. The alternate realms which the dreamer experiences as a result of bifurcation due to Chaos can also involve time dilation, and are, in reality parallel worlds interpreted by the Quantum Theory of many worlds.

I. INTRODUCTION

• THE SCIENTIFIC INTERPRETATION OF DREAMS

Dreams and the process of dreaming comprise simulations of events that may have been possible and may be possible for the dreamer. A relatively easy conjecture may be that dreams in reality may be events occurring in an alternate world which unfolds from an initial bifurcating or branching event. It can be comprehended that the aforementioned alternate histories occur in the mind of the dreamer. The alternate worlds are a replication of the parent world of the dreamer to the details of every atom. The history however, is different slightly, and occurs from the point of bifurcation.

When a quantum system interacts with its environment, internal and external coherence of mass-particle pockets is suppressed, resulting in decoherence and a branching event. This onset of branching evolves into a new or parallel world.

II. CHAOS AND COMPLEXITY IN THE CREATION OF A PARALLEL WORLD CONNECTED TO DREAMS

Decoherence of two wave-particle packets which are localized is the result of the onset of Chaos.[1] The brain is a nonlinear system, where dreams can be triggered by the appearance of Chaos. In sleep, there is an inherent reaction with the internal environment, whereby small changes in internal conditions result in large changes in output, and Chaos results.

In every case of bifurcation due to Chaos, a new path results. In the event of a dream, Chaos sets the path to a new or parallel world, bringing decoherence. The dreamer now

has a counterpart in the world that reprints him or her through Complexity, but different in history, as a self assembled pattern organizes, with a strange attractor.

Recent researches reveal that aspects of attention and awareness for self monitoring and internal exploration of one's consciousness such as dreams and other forms of creative awareness may be reasoned by using nonlinear dynamics.[2] It is also to be comprehended that natural systems are nonlinear and consequently, Chaos and self organization would be prevalent in every dissociative process. Related findings indicate that dreams may reflect mental states which are dissociative, especially manifested as discontinuous jumps in the scenery of dreams. Dissociative states during working may be related to Chaos and self organization in the brain.[1]

Most dreams occur during REM (Rapid Eye Movement) sleep, which is part of the sleep wake cycle. This cycle is controlled by the reticular activating system where circuit connections arise from the brain system and flow through the thalamus to the cortex.

In the midbrain, the limbic system is responsible for actions involved in both waking and dreaming and includes the amygdala, which is generally thought to be associated with fear and is repetitively active during dreams. Since human beings are highly visual creatures, the visual cortex, at the back of the brain, is especially active, along with many other parts of the cortex. Least active are some parts of the frontal lobe.

The repetitive movement in REM sleep ushers in the appearance of Chaos, leading to bifurcation, whereby patterns revolve around a strange attractor and acquire dimensions of complexity to mirror the dreams in a parallel world. Every dream becomes self organized with the dreamer as the same person having an altered history.[3]

III. HYPER DIMENSIONALITY IN DREAMS AND THE STRUCTURE OF THE BRAIN

In a study conducted by the Blue Brain Project, whose results were published in the journal 'Frontiers in Computer Neuroscience' it has been revealed that the human brain's structures operate up to eleven dimensions.

Fascinating details about the Complexity of the human brain have been discovered by scientists involved with the

Blue Brain Project .Geometrical forms of different sizes and shapes have been identified in an attempt to construct structures ranging in dimensions from one to seven. A black hole in the middle of any such structure in the brain symbolizes a complex of spaces that are multidimensional. There are numerous such cavities in the neocortex region in the brain, which is its most evolved part.

Further research has indicated that structures in the brain are created when a group of neurons transmit signals from something referred to as a clique.[4]Each neuron is connected to every other neuron in the group uniquely, creating a new object. The more neurons there are in a clique, the bigger the dimension of an object.

The onset of Chaos sets the dreamer to higher dimensions , and in these higher dimensions, alternate histories of the dreamer in parallel dimensions play out.

Algebraic topography permitted the scientists to model the structures within a virtual brain, created with a computer's help. They then carried out experiments on real brain tissues to verify their results.

IV. DREAMS AND PARALLEL WORLDS

Research indicates that our dreams are possible glimpses into parallel worlds.[5]

Our dreams could be glimpses of events taking place in an alternate realm, or a parallel universe . There is a growing belief amongst scientists that dreams are solely glimpses into an alternate world that none have physically visited.

Many scientists have now come to believe that every individual has a copy in a parallel world, as proposed in the Many Worlds Theory, by Hugh Everett in 1956. The life of a person in this world is identical to that of his/her counterpart in a parallel world , except that certain people in the alternate world may perform activities differently, thus ensuring a different history. The timeliness are different, the two worlds never coincide, either mutually or physically.

Most of us often have dreams of places we have never visited, which may signify that our counterparts in parallel worlds are visiting that same place.

Recent research suggests that dreams may reflect dissociative mental states that are predominantly manifested as discontinuous jumps in the dream scenery. This relates to Chaos and self organization chaos and self organization similar to dissociative states in waking.[6]

Studies in psychotherapy indicate that dreams are not random processes and may be meaningful for self discovery and personal growth.

Chaotic neural states thus transport the dream to a parallel hyperdimensional world. A specific feature of such Chaotic neural states is that they can generate novel patterns of neural activities and novel synaptic connections which may link less associative or dissociative mental states into a

coherent whole, reflective of the Complexity and self organization from the bifurcation of a Chaotic state.[7] This occurs specifically in REM sleep. These integrative processes support binding functions of dreams , which connect images from dreams together in a coherent manner. A novel and creative unity of consciousness experience is enabled. A parallel hyperdimensional world is created with every bifurcation from Chaos, and a strange attractor ensures a repetitive pattern with different histories. The dreams may reflect integrations of dissociated mental states which may be related to stress and trauma in some cases, but is also instrumental in increasing creative potential in various cases of artistic expressions, scientific discoveries and deep insights in cognitive or transcendental experiences that would occur in the parallel worlds. Often, however , simple life experiences , although with different different histories, occur. In such hyperdimensional , parallel worlds, communications with a person who is deceased may occur and the past, present and future can appear together. [8]

V. ANALYSIS OF THE TIME DIMENSION IN DREAMS

To a dreamer, the concept of time dilation is evident. A dream that consists of a few minutes in real time can occur in the dream domain for an hour or a few hours.

Much recent research suggests that the present and future exist together. Dreams exhibit the past, present and future as if all were at the same platform and the past may seem to appear vigorously as if happening now.[9]

Investigations have shown that Time passes slower in a dream. A dream of about five to ten minutes seems to occupy an hour or more in time.

The time dilation involved in dreams , triggered by Chaos bifurcation and self organization may be possible with the high speed of dream thought, which slows down time. As a consequence, the past, present and future adopt convergent identities and reside as if in the present.

Dreams appear to take place just before waking. A possible answer may be that we need to wake up before our dreams have just occurred. Earlier dreams may be forgotten when we wake up.

Observing the dilation of time in a dream experience and possible travels in time, it seems somewhat logical to consider the conjecture that Chaos, in its onset, can form self organization patterns in time.

VI. CONCLUSION

This paper begins with the scientification of dreams , considering the brain as a quantum system. That dreams, in the region of a nonlinear system which is the brain, can be triggered by Chaos, leading to bifurcation and subsequently to Complexity and self organization , is analyzed in some detail. Such events alter the domain of dreams to a hyperdimensional geometry.[10] Cavities in the neuron connection enable the brain to experience multidimensional events. This paper also analyzes the proposition that dreams

are glimpses into parallel worlds . Neural states which remain Chaotic can dreams to a parallel or alternate world, where the dreamer is the same person with a different history. The process of self organization with a strange attractor involves a parallel history and a parallel world.

Finally , time dilation or the travel in time is discussed, and interpreted to be an occurrence in the time domain where past, future and present exist simultaneously .Again, the event is engineered by Chaos in the time dimension.

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