Air Is a Continuous Entity

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Abstract: Air is an essential entity. We cannot do without oxygen present in air. But have we ever thought that we cannot hold air in our hand. It is continuous and uncountable. Life does end at a point but the support system called air does not end just like the punctual sun. This piece is about continuous entity. Scientists define continuity with sinusoidal waves. This piece does not contain anything beyond that. It is just an essay on continuity. The continuous entities have higher absorption power and they also mix among themselves easily. It is very difficult to quantify them. It is almost impossible to measure speed of a non-uniformly moving entity like water or air. The continuously flowing ocean has no memories. It is always in present state. We cannot say yesterday's ocean different to today. It is present. Similarly we have never said yesterday the air was lighter or denser than today. They are continuously moving without fail. Difficult to represent them mathematically. We need a new math , a new rule to denote these continuous entities. Hope you like this piece which is on continuous entities.

Date of Submission: 14-08-2019	Date of Acceptance: 29-08-2019

What is continuous?

Continuous is something that cannot be divided into any proportion. Like within the earth's atmosphere air is continuous, water flows in continuity, light rays are continuous, time, space, etc.

What is the common pattern all continuous entities have?

1. They seem to be in motion. Then there arises one question whether or not space is in motion. Is the universe also moving?

2. They are present in abundance. We are unable to measure or count continuous entities.

3. We do not know how to create them. We have them with us. We have never created air. We do not know what creates air for example.

4. Water, air can absorb discrete and continuous entities. Space has absorbed everything in.

Quantification of the continuous-

We have identified the continuous objects and named them. We will consider a line as an example here. A line can be drawn anywhere which is not moving. Attempt to draw a line in an object which is moving relative to the surrounding is not considered as of now.

Between the two end points the line is continuous. But there are a few observations -

1. The two ends are on space. They are not in the entity called time, air or water.

2. The base on which the two ends are is immobile.

What is the concept or origin of motion?

Space had two ends. In order to meet them space provided flexibility to move. But when space was just one dot it still could move around the dot. So we have to think beyond space being a dot. Let's consider nothing existed in the beginning. Time was always there even before a small dot originated. Now let's go back and consider there is no entity called time. How can we think about it? Our minds aren't designed to understand beyond time. Even if we say we wish to go back to when time did not exist, we are actually going back in context to time. This way time does not become a discrete discontinuous entity. But we have to think beyond time. So let us think of future where we will become 'nothing' again.We are still time dependent.

But time is on the mind only as past thoughts or future expectations. Memory is a function of time.

Our minds are slaves of time. It's actually memory. There is nothing called time.Now time looks discrete. In this context if we proceed we just have space which has one origination point. I can begin to draw a line from this point and come back to the same point. The motion is continuous here.

Let us relate motion to memory instead of space-time which is already covered by science. Memory is discrete. Motion is continuous. If we consider a variable say air=a. The motion of entity a iscontinuous. If we assume air at a certain volume as "a1". If we assume space covered by a1 in a day be "s1" in memory units "m1".

We cannot do this because a1 is scattered. So we will consider "a" itself as an entity.

a is in motion continuously

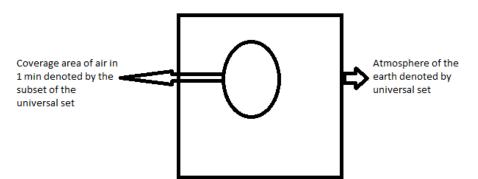
- s1 is the space "a" traverses which varies
- m1=1day

So, let us see if we can represent it graphically. Space is constant. It's the atmosphere earth has.

Here we would like to know what exists at the vicinity of vacuum and earth's atmosphere.

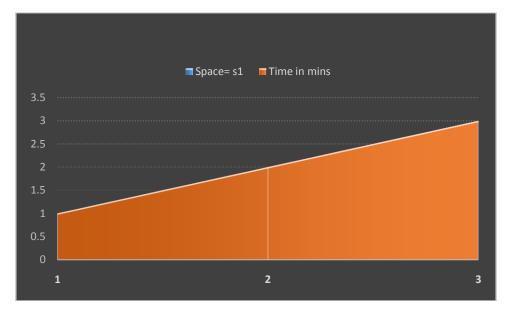
Seems like vacuum can eat up air and still remain devoid of air. Air is an invisible glass.

1. When "a" has covered s1=1 km, let us consider time=1 min, speed of "a" be 1km/min, air density be "d1" units.

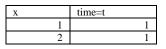


2. When "a" has covered s1=2km, air density be d2, time=2 min, speed be constant or might vary exponentially.

Space= s1	Time in mins	Air Density in space =2 km
1	1	d1
2	2	d2
3	3	d3



2.1. One thing for certain is that the continuous entities can mix among themselves be it light, air or water without losing its originality. They are continuously changing or are in motion. So their states are not functions of time. We do not have math enough to be able to quantify their states. Currently if I consider a variable x, I can do that because variable is something whose value changes everytime. "x" is time independent.





IOSR Journal of Applied Physics (IOSR-JAP) is UGC approved Journal with Sl. No. 5010, Journal no. 49054.

No Author" Air Is a Continuous Entity." IOSR Journal of Applied Physics (IOSR-JAP), vol. 11, no. 4, 2019, pp. 57-59.