Law, zero doesnt exist on physics (and in nature).

For models (like in mathematics), where we use conceptual views, then zero exists.
On reality, zero can't exist.

a) Everything is in motion

b) There is no negative values (because there is no zero)

c) There is no intervals

d) A body, is always acted by a force.

We can't measure emptyness, so it doesnt exist...it can't be measured...

0 bananas ,are equal to 0 apples

0 Newton = 0 Joule = 0 Watt = 0 Velocity = 0 m/s ...all equal? ..

basically , it can't be measured , so it has no unit

If we have zero, where can we go from there?! there is nothing there....

what would be the next position?

FORCES AND VECTORS

|f1| - |f2| = 0

Can't happen...

If subtraction of two vectors equals 0, is not a resultant vector...

If vectors have direction, what is the direction of the zero vector?

so how can we sum zero vector with other vector? what is the direction?

What happens to scalar product ??

So, the dot product of a vector that uses zero vector is zero. But it can be not perpendicular

PROPERTIES

From google...

A physical property is a characteristic of a substance that can be observed or measured without changing the identity of the substance.

Properties cant be zero

so, we can say that massless photons don't exist.

END PROPERTIES

FORCE ACTING

Considering f = ma

mass can't be zero, and accerelation can't be zero. So , force is always acting on bodies...and everything accerelates...

There is always one material, that's present on a designated position in space.

INFINITY

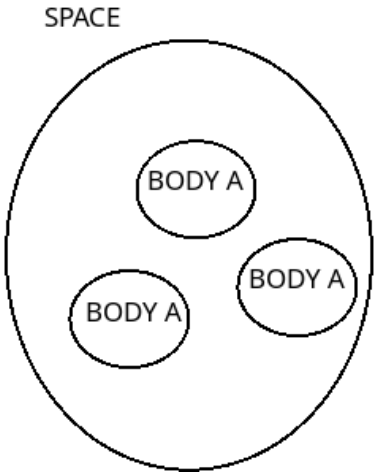
where does infinite starts? zero, or close to zero?, there is infinite numbers of zero and near zero. So there is no infinite. infinite inside other infinite? not possible.

Example, on integer set, there is always one number, after any value on set.

Definition of infinite
set that doesnt have all the values

Considering facts, can they be infinite?! On a conceptual view yes we can assume infinity. Not on physics though...

infinite is everything / everyone at the same time, doing anything. Impossible



knowledge is infinite, because facts are infinite

1 --- ball is red
1 --- ball is blue..

But reality doesnt have infinite...

Facts, can be all equal, or all different, or just some equal, and other also..but not all)

we can, instead of using integers to assign facts, we can use symbols

Ω - table is blue
α - table is red

use infinite or finite set, of symbols.

are there infinite sets of symbols? same as numbers ,yes.

So assigning zero , to a symbol (or number)...on conceptual view...

Take zero as number...

123 ---------- zero

Does infinite must have zero on element? yes.
say infinite = [1,4,1,123 (zero)]

So infinity , only exists on our mind.

#Different symbols ,same fact

123 ------> symbolA
123 ------> symbolB (symbolA != symbol B)

If we assume symbol A ---> 123, we can't assume any fact that is different from 123....

cant be A ----> 124 (already taken 123)

On a conceptually view, we can't assign the same symbol, to two different facts...

assignment is commutative

So 123 --> symbolA implies symbolA ---> 123

#DEFINITION OF FACT
       assigns, mentally, or reality
symbol ------------------------------ symbol

we can only use non functions on assignment, because two objects, have the same image (can't be a function) (both symbolA and B, have 123, for example)

If a body is moving with constant speed, there is no force applied to it, not possible. There is no constant speed...

Other considerations...

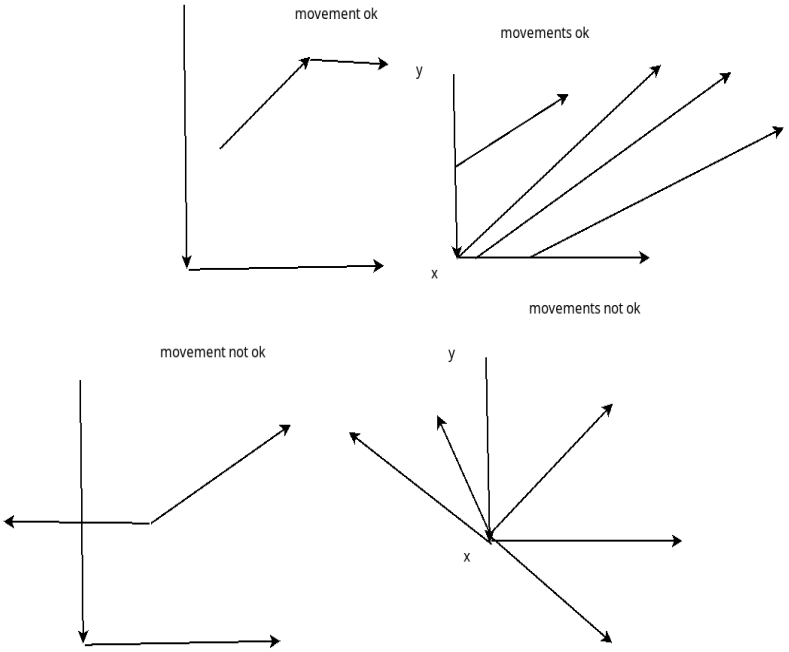
Supposing we have a body, applied by a force. That body travels from a point of origin to a point of destiny.
If we increase the magnitude of the force, time traveled will be so smaller than if we had a smaller force.

So another law, is

Bigger magnitude of force, correspond to less time traveled.

Movement Direction...

Position, can't be negative, hence movement vector can have negative direction.



All movements, must be on xOy positive....

Considerations

So on 3d space, if we want to go from a to b, the body must travel implicitly...there is no zero, so one can't reach a dimension and go instantensouly to other space...

Problems)
Are there holes on space, that allow to instantensouly travel? no ..there is no zero.

If it is possible, we need at least two holes (a tunnel , from A to B) ,

A to B is it possible that coming from B to A? commutative?!

Even in a tunnel we need to travel (fast, but since there is no zero, close to zero)...so, best chance, is to be faster, than those tunnels, if they exist. No need to consider that kind of transportation...

There is no instantenous movement (no zero), so we cant go from one position to another instantly...

If there is a hole (a tunnel), is it a disturbance, where does it leads ? 4D 2D ?! is it a sphere?

if it leads to 4D or 2D , it must also travel through it (no zero)

what about materialing atoms on other parts of space??? cant materialize in zero times , because it doesnt exists

BIG BEN

So if time is zero, what's the next value?

With time = 0 , nothing exists..

T=0 , was the beggining of the creation of space?

Nothing happens on time = 0. We can't do anything with time = 0, because it doesnt exists?!?

Mathematically, if we dont have zero, we dont have anything

math is abstract , exists on mind, can be anything (so we can have zero conceptually on math...if up to our mind)..math is some reasoning with some rules. So we can have zero, or whatever brain construct.

Physics must be based on reality...so nothing to do with mind

Can time be negative ? , only on space creation (since we estabilish a zero)

So if zero doesnt exists, there was no big bang