## Asian Journal of Mathematical Sciences

## RESEARCH ARTICLE

# Relations of Infinite Spaces in Full Voids and Constitution of Total Energies and their Effect on Matter 

Mohamed Daris<br>Departement of Physics, Faculty of Sciences, University, Rabbat, Morocoo

Received: 10-04-2018; Revised: 15-05-2018; Accepted: 01-07-2018


#### Abstract

I did this work and specifically this project to make a simple argument to show. There is something else behind the light; is new speed input has Energy and bring out a new relationship of light; and this new relationship will Change all the old settings that exists; and has an approach and my Project will improve the approach by providing the needs of physics. and has a consequence Positive total return and hence global performance level Physical and especially in the Field of the speed of light.


Key words: Fundamental relationship, universe, full space, stable relationship, speed of light

## INTRODUCTION

I have introduced into these new concepts concerning the mathematical development; of full voids in infinite Spaces; and consequently. I have brought out a new concept is energy of infnite space; and speed and connecting them with the speed of light and energy.The concept is to better understand the notion of energy; constituting the voids of infinite spaces in my theorem. I try to result the Concept.

## DISCUSSION

Hence, here is my statement for the proposal with graphics in the page as follows: ${ }^{[1-5]}$
It was a complete theorem of the fundamental relationship of the following universe:

## ] A [=] 1 [;

The new benchmark based on 1 is as follows:
A=1;
General stable relationship (universal equilibrium relationship).
It was as a result of the mark:
$\mathrm{A}=\mathrm{B} * \mathrm{C}^{*} \mathrm{D} / \mathrm{Z}^{2}$
Hence, we have $B^{*} C^{*} D / Z^{2}=1$;
And:
$\mathrm{A}=1$;

## Address for correspondence: <br> Mohamed Daris,

E-mail: Mohamed_aout@hotmail.fr

The question is what is $\mathrm{B}^{*} \mathrm{C}^{*} \mathrm{D} / \mathrm{Z}^{2}=\mathrm{A}=1 \neq 1$ ?;
Mathematics can be a physical side that ensures this relationship as follows:
$\mathrm{A}=\mathrm{E}$; and $\mathrm{l}^{\prime}=\mathrm{C}^{\prime}$;
It was as you know:
$\mathrm{E}=\mathrm{B} * \mathrm{C} * \mathrm{D} / \mathrm{Z}^{2}$;
Emphasis B*D=M;
The relationship becomes:
$\mathrm{E}=\mathrm{M} * \mathrm{C}^{2} \mathrm{Z}^{2}$
It was as a result:
$C / Z^{2}=C^{\prime}=1^{\prime} ; Z=$ square $\operatorname{root}\left(C / C^{\prime}\right)=1^{\prime}$;
Hence, we have: $\mathrm{E} / \mathrm{M}=\mathrm{C}^{\prime}$;
Consequence:
$\mathrm{E}=\mathrm{C}^{\prime} \mathrm{M}$;
Equation represents the interaction between energy and mass;
Moreover, this is the fundamental relationship of the universe.
Alternatively, we have:
$\mathrm{E}=1$ ' $=\mathrm{C}^{\prime} \mathrm{M}$;
$1^{\prime}=\mathrm{C}^{\prime} \mathrm{M}$ equivalence $1^{\prime} / \mathrm{C}^{\prime}=\mathrm{M}$;
$1^{\prime} / C^{\prime}=1$;
Consequence of this relationship was always:
$1=1$ ';
Hence, the end result of this equation is the interval:
] E, M [
] 1, 1'[
Relationship of absolute gaps in the full space was:
$\mathrm{E}=\mathrm{M}$ result was the result $\mathrm{E}^{\prime}=\mathrm{M}^{\prime}$
Hence, we can solve the following range:
] $1^{\mathrm{e}}, 1^{\mathrm{e}}, 1^{\mathrm{m}}, 1^{\mathrm{m}^{ }}$[

The equations needed for this range are as follows:

$$
\begin{aligned}
& 1^{\mathrm{E}} *^{*} 1^{\mathrm{M}}=1^{\mathrm{E}}{ }^{\mathrm{M}}, \\
& 1^{\mathrm{E} *} 1^{\mathrm{M}}=1^{\mathrm{EM}} \\
& 1^{\mathrm{E}} * 1^{\mathrm{M}}-1^{\mathrm{E}}{ }^{\mathrm{M}},=0 \\
& 1^{\mathrm{E} *} 1^{\mathrm{M}}-1^{\mathrm{EM}}=0
\end{aligned}
$$

1 and 2 are equal, so we will write:
$\left(1^{\mathrm{E} *} 1^{\mathrm{M}}\right)-1^{\mathrm{EM}}=\left(1^{\mathrm{E}}{ }^{*} 1^{\mathrm{M}}{ }^{\mathrm{r}}\right)-1^{\mathrm{E}{ }^{\mathrm{M}} \text {, }, ~}$
$\left(1^{\mathrm{E} *} 1^{\mathrm{M}}\right)-\left(1^{\mathrm{E}} * 1^{\mathrm{M}}{ }^{\mathrm{M}}\right)=1^{\mathrm{EM}}-1^{\mathrm{E}^{\prime}{ }^{\prime}}$
$1^{\mathrm{E}}\left(1^{\mathrm{E} *} 1^{\mathrm{M}}-1^{\mathrm{E}^{\prime} *} 1^{\mathrm{M}^{\prime}}\right)=1^{\mathrm{E}}\left(1^{\mathrm{EM}}-1^{\mathrm{E}^{\prime} \mathrm{M}^{\prime}}\right)$
$1^{\mathrm{E} *}\left(1^{\mathrm{E} *} 1^{\mathrm{M}}\right)-1^{\mathrm{E} *}\left(1^{\mathrm{E}^{\prime} *} 1^{\mathrm{M}^{\prime}}\right)=1^{\mathrm{EM} *} 1^{\mathrm{E}}-1^{\mathrm{E} *} 1^{\mathrm{E}^{\mathrm{M}}}{ }^{\mathrm{C}}$
$1^{2 \mathrm{E} *} 1^{\mathrm{M}}-1^{\mathrm{E} *} 1^{\mathrm{E}^{\prime}} * 1^{\mathrm{M}^{\prime}}=1^{2 \mathrm{EM}}-1^{\mathrm{E} *} 1^{\mathrm{E}^{\prime} \mathrm{M}^{\prime}}$
$1^{2 \mathrm{E} *} 1^{\mathrm{M}}-1^{2 \mathrm{EM}}=1^{\mathrm{E} *} 1^{\mathrm{E}^{\prime} *} 1^{\mathrm{M}^{\prime}}-1^{\mathrm{E} *} 1^{\mathrm{E}^{\mathrm{M}}{ }^{\prime}}$
$1^{2 \mathrm{E}}\left(1^{\mathrm{M}}-1^{\mathrm{M}}\right)=1^{\mathrm{E} *} 1^{\mathrm{E}^{\prime}}\left(1^{\mathrm{M}^{\prime}}-1^{\mathrm{M}^{\prime}}\right)$
$1^{2 \mathrm{E}} /\left(1^{\mathrm{E} *} 1^{\mathrm{E}}\right)=\left(1^{\mathrm{M}^{\prime}}-1^{\mathrm{M}^{\prime}}\right) /\left(1^{\mathrm{M}}-1^{\mathrm{M}}\right)$
$1^{2 \mathrm{E}} /\left(1^{\mathrm{E} *} 1^{\mathrm{E}^{\prime}}\right)=0^{\prime} / 0$
Hence, the end result is:
$1^{\mathrm{E}} / 1^{\mathrm{E}}=$ Ø$^{+}$
$1^{\mathrm{E}} / 1^{\mathrm{E}}=00^{\prime} / 0=\emptyset^{+}$
Hence, the great result is:
$1^{\mathrm{E}} / 1^{\mathrm{E}}=0 \mathrm{O} / 0$;
0 should, therefore, be another new equation, and the equation is:
$0=1^{\mathrm{E}^{\prime} *} 0^{\prime} / 1^{\mathrm{E}}$
It was in the calculation
$1=1+0=\left(1^{\mathrm{E}^{\prime} *} 0^{\prime} / 1^{\mathrm{E}}\right)+1$;
Calculation results of this research are:
$\mathrm{N}=\mathrm{N}\left(\left(1^{\mathrm{E}^{\prime} *} 0^{\prime}+1^{\mathrm{E}} / 1^{\mathrm{E}}\right)\right.$;
According the reference:
B*D=M;
And: $\mathrm{C}=\mathrm{C}^{\prime}$;
So: $E Z^{2}=C^{\prime} M$;
That is: $Z^{2}=C^{\prime} M / E$
Hence, the new theorem is as follows:
$\mathrm{Z}=$ square $\operatorname{root}((\mathrm{C} * * \mathrm{M}) / \mathrm{E})$;
Alternatively, there is the following relationship:
$\mathrm{C} / \mathrm{C}^{\prime}=\mathrm{Z}^{2}$;
And:
$\mathrm{Z}=\mathrm{C}^{\prime} \mathrm{M} / \mathrm{E}$
So:
$\mathrm{C} / \mathrm{C}^{\prime}=\mathrm{C}^{\prime} \mathrm{M} / \mathrm{E}$;
So:
C ${ }^{2}{ }^{2} \mathrm{M} / \mathrm{E}=\mathrm{C}$;

Hence, the new speed of light is:
$\left(C^{\prime}\right)^{2}=\mathrm{EC} / \mathrm{M}$;
Final result is:
$\mathrm{C}^{\prime}=$ square $\operatorname{root}\left(\left(\mathrm{E}^{*} \mathrm{C}\right) / \mathrm{M}\right)$
This relationship explains the massive energy in the new speed of light $C^{\prime}$.
The parameters of the relationship are as follows:
E: Energy of particles found in space
C : The former speed of light which is known to everybody
$C^{\prime}$ : The new speed of light is $C^{\prime}>C$
M : Mass of particles found in an estimated time

## ACKNOWLEDGMENTS

This work was supported by Mohamed Daris, principal. I would also like to thank all my university professors who have given me a lot of solid and precise information and I would also like to thank all the administrators of the community team thanks to their effort and we were able to realize this document.

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