

**EQUATION FOR ENERGY IN  
ALL DIMENSIONS  
&  
THEORY OF TIME  
COMPRESSION**



**Abhay Kumar Mishra**

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# **EQUATION FOR ENERGY IN ALL DIMENSIONS**

## **THEORY OF TIME COMPRESSION**

### **Abstract**

I am introducing a new theory which is about "Relations between energy mass and force for a solid object and atoms electrons positron photons'

If the mass of an object in the form of energy  $E$  it will be Force on the object and that force is directly proportional to the energy of the object and inversely proportional to the mass of object and all the ways whether the displacement velocity acceleration works or doesn't. Force will be applied on the basis of mass and energy.

Time compression and short time theory for microscopic object as well as electromagnetic wave and photon

I am introducing a new theory which is about "The relations between energy mass and force for a solid objects and atoms electrons positrons photons".

If the mass of an object in the form of energy  $E$  it will be Force on the object and that force is directly proportional to the energy of the object and inversely proportional to the mass of object and all the ways whether the displacement velocity acceleration works or doesn't. Force will be applied on the basis of mass and energy

NOTE- The object in the form of energy means if we hit or pressurize the object with some energy the object is moving

due to any of the cause. and the other logic is that the object is moving due to energy, it is not so that there is energy in object due to movement.

$$F \propto E$$

$$\propto 1/M$$

Then  $F = KE/M$  Where  $k = \text{constant} - (1)$

$$E = FM/K$$

$$K = FM/E$$

$$E = FM$$

**The value of k will be 1 if a unit energy is given to unit mass to generate a unit force**  $F = \text{Required or applied force on the object}$

$E = \text{Energy of the object required or given}$

$M = \text{The Mass of object}$

$K = \text{Force Constant}$

Similarly for positron we can write

$$F_b = K_b * E_b / M_b$$

$$E_b = F_b * M_b / K_b$$

**Here the  $K_b$  will not be equal to 1**

$F_b = \text{The Applied force on positron}$

$E_b = \text{The energy of positron}$

$M_b = \text{The Mass of positron}$

$K_b = \text{Force Constant}$

If the gravitational mass is extremely less as photon the force is directly proportional to energy of state of mass in the all dimensions either in space and conjugated system or any form of motion then the logic of mathematics is

$$F_1 \propto E_1 - (2)$$

$F_1 = GE_1$  Where  $G$  is constant which varies in the form of dimension of microscopic object as well as mass less particle

$F_1$  = The applied force on photon

$E_1$  = Energy of photon

$G$  = Energy constant

Then the value of  $G$  will define a unit of energy which holds the specific force momentum frequency of disturbing object either in static form with respect to the referred dimension if we take equal energy of photon as well as of positron

Then if will take force on positron the we can write

$$F_b = K_b * E_b / M_b$$

$$E_b = F_b * M_b / K_b \text{ For positron}$$

$$E_1 = F_1 / G \text{ For Photon}$$

$$F_b * M_b / K_b = F_1 / G$$

$$F_b * M_b * G / F_1 = K_b$$

On the other hand

If the object, in the mode of energy ((if there is neither any deformation nor any internal vibration and any other form of exchange of energy and imagine object is performing wave motion ) then the frequency of the object is directly proportional to the energy of the object and inversely proportional to the mass of the object

$$\begin{aligned} \Theta &\propto E_2 \\ &\propto 1/M_1 \\ \Theta &= k_\Theta E/M_1 - (3) \\ \Theta M_1/k &= E_2 \end{aligned}$$

**$\Theta$  = The frequency of object**

**$M_1$  = The Mass of object**

**$E_2$  = Energy of object**

**$k_\Theta$  = frequency constant**

In case of positron in the form of wave the frequency of positron is directly proportional to energy of positron and inversely proportional to the mass

$$\begin{aligned} \upsilon &= k_p E_3/M_2 \quad (3) \\ \upsilon M_2/k_p &= E_3 \end{aligned}$$

**$\upsilon$  = The frequency of positron**

**$M_2$  = The mass of Positron**

**$E_3$  = The energy of the positron**

**$K_p$  = Frequency constant**

If the mass of the gravitation is extremely less as photon then the frequency is directly proportional to the energy of particle. then the logic of the mathematics is

$$\begin{aligned} \upsilon_{ph} &\propto E_4 \\ \upsilon_{ph} &= g' E_4 - (5) \\ \upsilon_{ph}/g' &= E_4 \end{aligned}$$

**$\upsilon_{ph}$  = The frequency of photon**

**$E_4$  = The energy of photon**

**$g'$  = Energy Constant**

**If we take equal energy of photon as well as of positron**

$$v M_2/k_p = v_{ph} / g'$$

$$M_2 = k_p / g'^* v_{ph} / v$$

### THE THEORY OF TIME COMPRESSION

I am going to introduce a new theory and equation regarding the energy of electromagnetic wave and photon .I think when electromagnetic wave travels it travels due to the energy and light particle photon also travels with the fastest speed due to energy and particle travels in the theory of relativity of ' mass to energy' due to energy not just because of travelling there is energy .On the basis of this fact I think if it does not travel in any special condition despite there will be energy present in it in any different form. I want to define the same energy on that level. I think that if electromagnetic wave or light particle and microscopic object oscillates and wave propagation is created then the cause of oscillation is short time or time compression of energy. I assume that there is time and space of every energy .I define it by creating in the form of the of pattern of short time or time compression.

I am assuming A time T is for a energy E and space ΔS and time compression is TΔt

TΔt	TΔ	TΔ	TΔ	TΔ	TΔ	TΔ	TΔ	TΔ	TΔ
G1	t2	t3	t4	t5	t6	t7	t8	t8	t9

TΔt



This the pattern for short time and time compression in left side time compression increases and right side time compression decreases.

$$E^1 \propto T\Delta t \quad - \quad 1$$

$$\propto 1/m^*$$

$E^1 = H \cdot T\Delta t / m^*$  from equation  
Where H is constant

$$\Delta s \propto 1/T\Delta t \quad - \quad 2$$

$$\Delta s \propto 1/m^*$$

$\Delta s = f \cdot T\Delta t / m^*$  from equation-2

Where f is constant

$$m^* \propto 1/\Delta s \quad - \quad 3$$

$$m^* = q/\Delta s$$

Where q is constant

**$E^1$  =The energy of photon microscopic object**

**$m^*$  = The Mass of object**

**$T\Delta t$  =Time compression or short time**

**H = Energy constant**

**$\Delta s$  = space**

**F = Space constant**

**q = Mass constant**

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## Ingredient list

[1] F	Force on the object
[2] M	Mass of the object
[3] K	Force Constant
[4] E	Energy of the object
[5] $F_B$	Force on the positron
[6] $K_B$	Force Constant
[7] $M_B$	Maas of positron
[8] $E_B$	Energy of positron
[9] $F_1$	Force on photon
[10] $E_1$	Energy of photon
[11] G	Energy Constant
[12] $\Theta$	Frequency of the solid object
[13] $E_2$	Energy of the solid object
[14] $M_1$	<b>Mass of the solid object</b>
[15] $k_\Theta$	Frequency Constant
[16] $\nu$	Frequency of the positron
[17] $k_p$	Frequency Constant
[18] $M_2$	Mass of positron
[19] $E_3$	Energy of the positron
[20] $\nu_{ph}$	Frequency of photon
[21] $g'$	Energy Constant
[22] $E_4$	Energy of photon
[23] $E^1$	Energy of microscopic object or photon
[24] $m^*$	Mass of microscopic object
[25] $T\Delta t$	Time compression
[26] $\Delta s$	Space
[27] $H^*$	Time Constant
[28] f	Space Constant
[29] q	Mass constant

***Special Note :***

The extension of the book will define all constant values and derivation of the theory.

Theory already derived by logic itself

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**This book is dedicated to Science**

### About the Author

- Name : Er Abhay Kumar Mishra
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