The explanation of the gravitational constant

by Tobias Richter

Table of Contents:

- 1. Description of the variables
- 2. Comparison between new and old amps Definiton
- 3. Establishment of a new fundamental constant
- 4. Impact on Gravitationstherie
- 5. Impact on ART
- 6. The statement and the come about of all the other fundamental constants.
- 1. Description of the variables

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F = force in [ N] ( Newtons)
I = Stromsrärke in [A] ( amps)
Q = charge in [C] ( Coulomb )
t = time [s] (seconds )
p = Pulse [kg * m / s]
m = mass in [kg] (kg)
v = velocity [m / s]
r = radius in m ( meters)
?0 = the permittivity of free space
? = the circle constant , ? = 3.14159
```

2. Comparison between new and old amps Definiton

Old ampere definition:

The unit 1 ampere is that of a time-invariant electric current , parallel , spaced by two vacuum 1 meter apart, straight infinitely long conductor of negligible cross section flowing between these conductors each a meter of length electrodynamic force equal to  $2 \cdot 10$  ^-7 Newton would cause . New ampere definition :

```
1N = 1 * kg * m * s^{2}  or 1 kg m / s^{2}

1A = 2 \times 10^{7} N *  or 2 * 10^{7} kg m / s^{2}
```

That's all. Nothing more.

## 3. Establishment of a new fundamental constant

The number  $2 \cdot 10^{-7}$  is a Dimensonslose constant of nature . All other fundamental constants have this constant of nature ( the so-called . TORIC- constant of nature ) included .

4. Impact on Gravitationstherie

It is my premise, according to the new definition amp that the current is equal to the TORIC -Naturkonstante \* force.

$$I = 2 \cdot 10^{-7} * F \text{ or } 1A = 2 \times 10^{-7} N *$$

since A is current charge per time or force is equal pulse per period, the following applies:

$$I = Q / t$$
 and  $F = p / t$ 

So we have the result: Q is the charge TORIC - Nature constant \* pulse and pulse again mass times velocity.

Q = 2 
$$\cdot$$
 10^-7 p respectively . Q = 2  $\cdot$  10^-7 m \* v because p = m \* v . Or C = 2  $\cdot$  10^-7 kg \* m / s

Unification of gravitation and electromagnetism by the Association of Coulomb's law and law of gravity.

$$F = k0 * Q1*Q2 / r^2$$
 where  $k0 = 1 / 4 * ? * ?0$  or  $8.987552 * N * 10^9 m^2 / C^2$ 

is calculated as follows:

$$F = 8.987552 * N * 10^9 m^2/C^2 * Q1*Q2/r^2$$

the law of gravitation, we have:

$$F = G * m1 * m2 / r^2 \text{ where } G = 6.673 * 10^-11 N * m^2 / kg^2$$

now when I use my premise in the formula of Coulomb I get the law of gravity:

$$F = 8.987552 * N * 10^9 m^2/C^2 * Q1*Q2/r^2$$

It is 
$$Q1 = 2 \cdot 10^{-7} \text{ m}1 * \text{v}$$
 and  $Q2 = 2 \cdot 10^{-7} \text{ m}2 * \text{v}$ 

$$F = 8.987552*10^9* N*m^2/C^2 * 2\times10^-7 *m1*v * 2\times10^-7 m2*v/r^2$$

we are still running for F on the left  $F = I/2 \times 10^{-7}$ 

Then we have:

$$I/2 \times 10^{-7} = 8.987552 \times 10^{9} \text{ N*m}^2/\text{C}^2 \times 2 \times 10^{-7} \text{m1*v} \times 2 \times 10^{-7} \text{m2*v/r}^2$$

if we have this whole long formula with  $2\times10^{-7}$  times take (on the left and on the right), we obtain:

$$I = 8.987552 * 10^9 N*m^2/C^2 * 2 \times 10^-7 m1*v * 2 \times 10^-7 m2*v /r^2 * 2 \times 10^-7$$

if we sort we get:

$$I = 8.987552 * 10^9 * 2*10^-7 * 2*10^-7 * 2 \times 10^-7 * N*m^2/C^2 * v*v \text{ and } m1 * m2/r^2$$

$$I = 7.12 \times 10^-11 * N*m^2/C^2 * v2 * m1*m2/r2$$

and 
$$v^2 = C^2/kg^2$$
  $N^m^2/C^2 * C^2/kg^2 = N^m^2/kg^2$ 

$$\Box$$
 in units;

$$A = 7.12 \times 10^{\circ}-11 \text{ N*m}^{\circ}2/\text{C}^{\circ}2 \text{ * C}^{\circ}2/\text{kg}^{\circ}2 = \text{N*m}^{\circ}2/\text{kg}^{\circ}2 \text{ *m1*m2/r}^{\circ}2$$

$$A = G * m1*m2/r^2$$

we also get:

$$I = 7.12 \times 10^{-11} \times m^{2} / c^{2} \times C^{2} \times C^{2} \times g^{2} = N^{2} \times m^{2} / kg^{2} \times m1^{2} \times m2^{2} / r^{2} = G^{2} \times m1^{2} \times m2^{2} / r^{2}$$

If this formula is correct, is therefore no gravitational force gravitational But only a current. If Newton wrong!

Albert Einstein There are also the gravitational constant G in its formula:

$$G?? = k * T??$$

where G?? the so-called Einstein tensor, which to some extent represents the curvature of space-time undT?? is called the energy-momentum tensor of the curved space-time.

In tensors are not interressieren us first because we want was not compute the space-time, but the constant k by which both the gravitational constant and the speed of light contains .

Si e is:  $k = 8? * G / c^4$  or  $8? * 6.7 * 10^-11 / 2997924584$ The result is: 2. 084 643 763 \* 10^-43 I use my G - formula I get:

 $8.987552 * N * 10^9 m2 / C^2 * 2 * 2 \cdot 10^-7 \cdot 10^-7 * 2 \times 10^-7$ 

 $= 1/4? ?0 (2 \times 10^{-7})^{3}$ 

Since, therefore, is:  $k = 8? * 1/4? ?0 * (2 \times 10^{-7})^3 /c^4$  cut out Pi and get c^4 to the other side.

 $k * c^4 = 8? * 1/4? * (2 \times 10^-7)^3 \text{ or } k * c^4 = 1/?0 \ 2*(2 \times 10^-7)^3 \text{ times } ?0 \text{ follows } : k * c^2 * c^2 * ?0 = 2*(2 \times 10^-7)^3$ 

 $1/?0 = c^2$ 

 $k = ?0 * 2*(2 \times 10^{-7})^{3} / c^{2}$  and  $2? * 2 * 2 * 10^{-7} \cdot (2 \cdot 10^{-7})^{3} / c^{2}$ 

and the results about: 2.237115675 \* 10^-43

So almost the same number.

With the formula  $Q / m = 2 * 10 ^ -7 v$ 

Have yourself available other natural constant explain, ideal for v = c and c = 299792458 m/s.

 $Q/m = (2 \cdot 10-7)^n * v$ , ideal für n = 0, 1, 2, 3, 4, ...

- 1) Q / m =  $(2 \cdot 10-7)^0 * 299.792.458 \text{ m} / \text{s} = 299.792.458 \text{ m} / \text{s}$
- 2)  $O/m = (2 \cdot 10-7)^1 \cdot 299.792.458 \text{ m/s} = 59.9584916$
- 3)  $O/m = (2 \cdot 10-7)^2 * 299.792.458 m/s = 0.00001199169$
- 4) Q / m =  $(2 \cdot 10-7)^3 \cdot 299.792.458 \text{ m} / \text{s} = 2.398339664 \cdot 10^{-12}$
- 5)  $\hat{Q}$  / m =  $(2 \cdot 10-7)^4 \cdot 299.792.458$  m / s =  $4,796679328 \cdot 10^-19$
- 6) F / m =  $(2 \cdot 10-7)^5 * 299.792.458 \text{ m} / \text{s} = 9,593.358.656 * 10^-26$
- 7) F / m =  $(2 \cdot 10-7)^6 \cdot 299.792.458 \text{ m} / \text{s} = 1.918671731 \cdot 10^3 \cdot 10^$
- 2) Line is very reminiscent of the Verhälnis  $\frac{360}{2?}$  (  $\frac{360}{2?} = \frac{57.29577951}{2}$ )
- 3) This number seems to be unknown.
- 4) This figure provides the approximate value of the Compton wavelength of the electron. 2.4263102389 \* 10^-12
- 5) The 5. line lies in the proper sizes of the elementary charge or the Hartree energy.  $(4.35974434 (19) \cdot 10^{-18} \text{J} \text{ or } 1.602176565 (35) \cdot 10^{-19} \text{C})$
- 6) The proton or neutron mass is located in the vicinity of this order of magnitude.
- 7) Pretty much deviation from the plank 's constant or reduced- plank 's constant.

Not to mention the magnetic constant  $?0 = 2? * 2 \times 10^{-7}$