



EX SPIRA AQUA MUNDA

In memory of my son Giovanni

To my wife Francesca and my daughter Amanda

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© 2024/02/15 17:41 The Equivalence between “virtual mass in 1” $\left[\frac{Ton}{m^3}\right] \equiv c^2 \left[\frac{kJ}{m^3}\right]$ is an interpretation of the Universal formula of Newton. (**demonstration**)..

Newton’s ULG: (Equal and opposite Forces exchanged from the couple Earth-Sun) :

$$F_{Newton} = K_{GR} \cdot \frac{M \cdot m}{4\pi \cdot D^2} = 8,3775 \cdot 10^{-7} \cdot \frac{2 \cdot 10^{27} \cdot 5,95 \cdot 10^{21}}{4\pi \cdot (150 \cdot 10^9)^2} =$$

$$= 3.5259259 \dots \cdot 10^{19} \left[\frac{kJ}{m^3 \cdot 1''}\right] .$$

Note: This above is a Force, in the status presented here is an amount of Inertial mass, a long way from a Bomb !! since through the intermediate presence of [Ether/ESF] is acting between two extra large masses (Earth and Sun) the

equivalence to mass is only formal it belongs to another context during which (we can only imagine) after a first stage in which the primitive Universe was conceived as space which to exist needed to be filled of substance (mass in $\left[\frac{kJ}{m^3}\right]$) followed by condensation of particles in quantum status in the center of fixed cubic volumes containing the primordial mass (giving them the density of the incumbent [Ether/ESF] in units of $\left[\frac{Ton}{m^3 \cdot 1''}\right]$ from which thereafter all proceeded....

From: $F_{Newton} \equiv \frac{3.5259259... \cdot 10^{19} \left[\frac{Ton}{m^3 \cdot 1''}\right]}{c^2} = 391.7 \left[\frac{Ton}{m^3 \cdot 1''}\right]$

only if : $\equiv 9 \cdot 10^{16} \left[\frac{kJ}{m^3 \cdot 1''}\right] \equiv 1 \left[\frac{Ton}{m^3 \cdot 1''}\right]$

but this is A. Einstein equivalence !!! to be read in the following way: “inside 1 $[m]^3$ of water $\rho_{W=1} \left[\frac{Ton}{m^3 \cdot 1''}\right]$ are present in compressed status of 1 $\left[\frac{Ton}{m^3}\right]$, c^2 units of equivalent energy: 1 $\left[\frac{kJ}{m^3}\right]$ in units of inertial mass) $1 E_{W} \left[\frac{Ton}{m^3}\right] \equiv c^2 E_{kJ} \left[\frac{kJ}{m^3}\right]$

Which satisfies the 1^{rst} Law of Thermodynamics:

“One substance : the $\left[\frac{kJ}{m^3}\right]$ at the origin of Universal Reality.

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