## conferenceseries.com

### 2<sup>nd</sup> International Conference on

# PHYSICS August 28-30, 2017 Brussels, Belgium

## Theoretical confirmation of the gravitation new origin having a dipolar electrical nature with Coulomb's law corrected

loan Has

Nicolae Balcescu Land Forces Academy, Romania

In papers, one demonstrates that the electrical dipole force  $F_D$  between two electrical dipoles may exist at any distance r, by reciprocal orientation. But considering actual force  $F_C$ , given by Coulomb law, such dipole force  $F_D$  depends on a term in  $1/r^4$ , being negligible compared to the gravitational force FN, which in Newton's law depends on  $1/r^2$ . To obtain the principal term in  $1/r^2$ , for dipole interaction  $F_D$ , it was necessary and sufficiently to admit a hypothesis which considers a new Coulomb law force  $F_{CC}$ , as a series of terms of powers of r, including a new term,  $-\ln r$ . With this force  $F_{CC}$ , for dipole interaction new force  $F_{DC}$ , an expression having the principal term in  $1/r^2$  results, as in Newton's law. In order to verify the above hypothesis, numerical checking for the new dipole force  $F_{DC}$  was performed, utilizing actual electric permeability, the constant  $\epsilon 0$  corrected. These calculations made for an astronomical distance ( $10^9$ m), showed a good agreement (relative ratio  $R=F_N/F_{DC} \approx 0.626$ ) between the force  $F_N$  and the dipole force  $F_{DC}$  obtained with the corrected Coulomb law. On the basis of this gravity theory, some important consequences result, such as the inexistence of the gravitational waves, of the black holes, of the space gravitational curvature, and of the big-bang. This gravity theory with more than 4 terms of series, yield the four known forces of nature, unifying them. The new gravity theory is possible only in quantum environment admitting the presence of an ether.

#### Biography

loan Has completed his licence at Technical University of Constructions from Bucharest in 1965, where the Physics Course was delivered by Prof. Nicolae Barbulescu. He obtained PhD degree in Geotechnical & Foundation field, from TUCB, in 1979. He followed a Doctoral Seminar in 1975 at International Mechanics Centre from Udine, Italy. He functioned as Professor at Technical Disciplines Chair from Land Forces Academy, Sibiu, between 1995 and 2008 when retired but now works as expert in constructions. He published over 110 papers (40 in physics) in reputed journals and participated in about 20 conferences (12 in Physics).

hasavo@yahoo.com

Notes: