

Calculation of Internal Mass Interaction between Nucleons

G =	6,674484E-11 m ³ /kgs ²	Gravitational Constant Newton
e =	8,854187E-12 As/Vm	Electro Constant
ep = en =	1,602177E-19 C = As	Elementary Electric Charge
mp =	1,6726E-27 kg	Mass of Proton as Nucleon
mn =	1,670985E-27 kg	Mass of Neutron as Nucleon
Mp =	2,832128E+11 kg	Internal Proton Mass
Mn =	2,834950E+11 kg	Internal Neutron Mass of Deuteron

Distances for r²:

4Ro =	8,41E-16 m
3Ro =	6,31E-16 m
2Ro =	4,21E-16 m

Equations: $F_g = G m m / r^2$ $F_e = e e p n / r^2$

Repulsion of 2 Protons:

Calculations:	Fg4ext =	2,64E-34 N	Fe4ext =	3,21E-19 N
	Fg4int =	7,57E+42 N		
	Fg4int/ext =	8,94E+04 N		
	Fg3ext =	4,69E-34 N	Fe3ext =	5,71E-19 N
	Fg3int =	1,35E+43 N		
	Fg4int/ext =	1,59E+05 N		
	Fg2ext =	1,05E-33 N	Fe2ext =	1,28E-18 N
	Fg2int =	3,03E+43 N		
	Fg2int/ext =	3,57E+05 N		

Relationsh. 2,87E+76 both internal masses to gravity force externally

3,39E+38 internal to external gravitation force
5,56E+23 internal grav. to electr. repulsion

3,39E+38 internal to external gravitation force
5,56E+23 internal grav. to electr. repulsion

3,39E+38 internal to external gravitation force
1,36E+39 under condition of max. distance

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