

Re: GRAVITATION

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- *From:* Phineas T Puddleduck <phineaspuddleduck@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
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In article <449ED623.7020502@xxxxxxxxxxxxxxxxxxxx>, srp
<srp2@xxxxxxxxxxxxxxxxxxxx> wrote:

You say that "I chose". What choice was there really. Gamow explained how G is structured from the Solar system parameters, so he chose it for me. The mean radius of the Earth orbit and Earth year being inconsistent with the Bohr radius, and Bohr ground state frequency, what choice did I have really but to size G down to proper scale if I wanted to use it with the hydrogen atom. Isn't getting the correct force a tell-tale that the move was not that bold ? And isn't getting the fundamental $F=ma$ from both the Coulomb equation and the gravitational equation another tell-tale that the classical equation set is consistent?

My unease is the implied discontinuity in G at some scale inbetween the two. If you say G has a different value at hydrogen-atom scale, compared to the solar system scale – then there is either a discontinuity or a progressive change.

Agreed it seems a way of "unifying" (for want of a better word) EM and gravity but I still feel an unease about it.

Admittedly I do tend to shave close with Occam occasionally, so you may ignore me ;–)

I agree you got those equations, but I'm unconvinced as to whether the initial step you made is valid (to me, again my opinion yada yada!). Whether it was fortuitous or not is as of yet uncertain to me – but thanks for answering my questions.

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The greatest enemy of science is pseudoscience.

Jaffa cakes. Sweet delicious orangey jaffa goodness, and an abject lesson why parroting information from the web will not teach you cosmology.

Official emperor of sci.physics, head numbler of the "Cult of INSANE SCIENCE".

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Please pay no attention to my butt poking forward, it is expanding.

Relf's Law?

"Bullshit repeated to the limit of infinity asymptotically approaches the odour of roses."

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