

Re: A Newton-like description of gravity, representing curved space-time.

Re: A Newton-like description of gravity, representing curved space-time.

Source: <http://sci.tech-archive.net/Archive/sci.physics.relativity/2007-01/msg00551.html>

- *From:* "Ken S. Tucker" <dynamics@xxxxxxxxxxxxx>
 - *Date:* 6 Jan 2007 14:14:23 -0800
-

Jan these are my comments, and do not always reflect the views of the classical GR community, for those a gazillion books and articles are available.

Jan VR wrote:

Hello,

Thanks for your comments. Here's my reply:
– to Ken: I looked for the Einstein paper and found it on the web; I will read it. I hope it contains the answers as to why the simple model I used is incomplete.

It's a no-brainer getting the Schwarzschild metric once you know the answer, in fact it's rather easy to derive from $E = h\nu$ (Planck's photon energy equation), once you prove "h" is invariant, but GR proves "h" is invariant in all frames of reference. Indeed it looks to me that postulating "h" to be invariant, (rather like "c" was in SR) one can get a great deal of GR improvement and simplification.

About Planck's constant: I know what it is and what importance it has in Quantum Mechanics. But I do not really 'understand' it (as there are more things in QM which cannot be understood...). Why do you ask ?

Well because you can prolly teach me about it, being fresh out the can. My simple understanding is "h" is a fundamental unit of action that is everywhere and for all time the same in all references, that's almost like a god scalar.

It is used deep inside sub-atomic particles and applies well to the spectra from distant galaxies, irrespective of the forces, velocities or accelerations applied to

Re: A Newton-like description of gravity, representing curved space-time.

Re: A Newton-like description of gravity, representing curved space-time.

the system, in fact so much, I bet you hardly give it a second thought. Why, why don't you give it a 2nd thought?

BTW Jan have you got a good handle on Special Relativity, I'm guessing you do.

Regards

Ken

PS: Your pdf's worked fine for me.

PSS: Sal's a sharp fellow developing a web-site always under construction, swoop in for gander.

.