

Re: Since k varies but not G suggests an Eather

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- *From:* "Sue..." <suzysewnshow@xxxxxxxxxxxxx>
 - *Date:* 20 Jun 2006 03:09:37 -0700
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guskz@xxxxxxxxxxxxx wrote:

snip

So you're saying instead of applying the total charges in space to the equation and using "k for space", they are varying "k" instead so as to include the charges in the medium (as opposed to the charges outside the medium)?

Whether charges exist ~outside the medium~ or not does not concern us. If they are absent, their charge is zero. If they are present, they exist in $e^+ e^-$ pairs so their value is zero.

Try to remember that on a grand scale, every positive charge is canceling out a negative charge. It is not the same a summing up the mass of all the atoms in the universe.

So the universe has a total charge of zero, but its mass is non-zero.

Sue...
snip

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