The lack of substantiation of the Green house model

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Introduction
A countless number of articles have been written about the Green house model: one part to show its correctness, the other part its incorrectness, like for example reference [1].
The conclusions of that article sound:

• until today the “atmospheric Green house effect” does not appear in any fundamental work of: thermodynamics, physical kinetics, or radiation theory;
• the definitions given in the literature beyond straight physics are very different and, partly, contradict to each other

The consequence of falsifying the atmospheric Green house conjecture is in fact that, given the situation that no alternative is available, the climate problem, assumed to be caused by mankind, has to be denied. It must be a natural phenomenon, is the common reaction. However, figure 1 cannot be denied. It shows an extremely rapid and significant increase of the atmospheric temperature during the past centuries.

Suppose the sun would never have been a source of radiation. All associated planets would be ice-cold lumps of rock in such a case, unless they were hot by themselves. But the latter would not last long in an environment of 0 Kelvin.
The sun has, as long as the earth exists, provided a temperature here far above 0 K.
Without an atmosphere, which must ever have been the case, the sun warms up the earth's crust to very high temperatures during day time, in order to cool down during night time to very low temperatures.
Both extremes are drastically reduced with the development of the atmosphere. Firstly, because this relatively thin layer of air dampens the sun's rays during day time. Secondly, because it forms an insulation against the cold universe during night time. In addition, the earth is already warm from its own perspective, given the glowing hot core. Thus, for the past hundreds of millions of years, the temperature on earth, read as the temperature of the atmosphere, has stabilized to the current average value, thanks to the absorbing and insulating effect of the atmosphere, including any types of radiation.
The atmosphere consists of approximately 20% O₂, 80% N₂ and a negligible share of, for example, CO₂: 0.03 to 0.04% in the past 100 years.

Green house effect is unthinkable

It is unthinkable that the already a hundreds of millions of years existing absorbing and insulating effect of the atmosphere is influenced by such a completely negligible part of CO₂, including any types of radiation.

This conclusion is supported by the calculations in the article, called Living room model, which show that global warming must be a result of human energy consumption. See reference [2].
The Living room model

This model has a peculiar property, fundamentally different from the Green house model. Mankind consumes energy that is more or less immediately converted into heat energy and partly (see [2] for the details) absorbed by the atmosphere through convection. That energy cannot leave the atmosphere, because it is not only supplied unceasingly, but also all over the world during day and night time.

This phenomenon can be compared with, for example, a pan of water on a stove. At an equilibrium of added and emitted energy, the water is at a certain temperature, higher than its environment. As long as that stove is held at the same power, the water is held at that temperature. As soon as the stove is switched off, the temperature decreases until the temperature of the environment has been reached. If the heat of the stove is increased, the temperature of the water will increase until a new equilibrium is reached.

*The pan of water on a stove can be replaced by a heated living room!*

In the situation under consideration the power of the mankind-stove is not only supplied unceasingly. It increases continuously too, as a result of the increase of the mean consumed energy per person and of the (explosive) growth of mankind.

Ridiculous comparison

Reference [3] presents the following comparison:

“Several Skeptical Science contributors worked together to publish a scientific paper which combined the land, air, ice, and ocean warming data. It found that for recent decades the earth has been heating at a rate of 250 trillion Joules per second. “Joules per second” is a difficult unit of measure to appreciate, and is especially foreign to people who are unfamiliar with science. This widget attempts to put that heating into terms that are easier to visualize. 250 trillion Joules per second is equivalent to detonating four Hiroshima atomic bombs per second.”

The report about the Living room model indeed agrees with the 250 trillion J/s, so 250 TW, but as the alleged power generated by the Green house model. The power generated by the Living room model is about 15 times lower, resulting in the comparison: equivalent to detonating one Hiroshima atomic bomb per four seconds. As presented above, the 250 TW would have led to an earth’s temperature raise of 15 °C.

References

