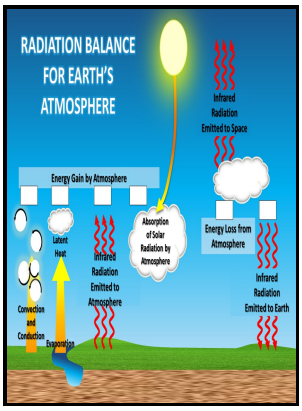
Emission, absorption, and transfer of radiation in heated atmospheres

Pergamon Press - Radiative Heat Exchange in the Atmosphere



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Next time you pass a power station,ask yourself why all that energy from the cooling towers is being wasted as evaporation to the atmosphere? It is only an instructional model used to teach basic concepts. Intensity is power per unit area e. From T1 to T4 represents a temperature range from ~1000 to 5000 K ~727 oC to 4727 oC Compared to a star surface, T1 is a relatively cool temperature e.

Albert Einstein said no to CO2 radiative warming of the atmosphere

Conversely, heating or cooling at that point is not the result of the fluxes at that point, but the combination of emission and absorption. Falsification Of The Atmospheric CO2 Greenhouse Effects Within The Frame Of Physics,version 4.

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Note: a Compared to Earth the surface temperature is much hotter - a much stronger emitter of infrared EM radiation AND the atmospheric carbon dioxide concentration is 2400 x that of Earth! These two processes are completely different, it isn't possible to even think of a CO2 GH effect unless the two processes are clearly separated. At that point I will then, again, be interesting in hearing your opinions on the subject. One can talk metaphorically about there being a flow without the supposed existence of a fluid.

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The emission temperature to space will consequently fall, as will the outgoing energy. I think you missed the point.

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