

Gravitation

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This paper explains that gravitation is radiation itself. Gravitation being an independent force separate from thermodynamics is ad hoc mathematical conjecture.

The only ways for work to be transferred meaning energy (heat) transfer, are via conduction, convection and radiation. Since outer space is a vacuum, conduction and convection are impossible for the stars to transfer work to other stars keeping them in their orbits. Thus gravitation must be radiation. There is no other form of thermodynamic energy transfer because we have exhausted the inventory of thermodynamics! The stars that exhibit the most radiation will therefore be the most "gravitationally attracting". Therefore the concept of "mass" giving the effect of "gravitation" is not correct. Just because something is bigger/heavier than something else is not an explanation because it gives no mechanism for work transfer!

The amount of enthalpy a system exhibits will determine how powerful its gravitational effects will be. Thus, young stars like the Sun are NOT 330,000 times the mass of the Earth and more, but are much less massive by many magnitudes. This goes for all other stars such as the brown dwarfs Jupiter and Saturn. They are not hundreds of times more massive than the Earth they simply have higher enthalpies, meaning they transfer higher amounts of gravitational (radiative) work. Non-equilibrium thermodynamics for macro systems need to be researched as it pertains to a star's metamorphosis into a life sustaining planet as is observed in the Solar System. This also means that inertia and mass itself is also more than likely a function of radiation, which is electromagnetism. Objects are therefore not "massive" because they have more "matter", they are "massive" because they transfer more radiative work.

The reader should therefore be able to make a connection. Heat only transfers in one direction, from the hotter to the colder. Thus, an object will "fall" because it is transferring radiative work towards the Earth, which is the "colder" object, thus giving the effect of "being pulled down". The Earth and the other stars are NOT pulling objects towards them the material that comprises them is just reaching radiative equilibrium. They are dissipative events. Matter itself is dissipative in structure and will not/does not remain stable forever. It gets recycled via the effect known as "mass".