

Stellar Metamorphosis: An Alternative for the Star Sciences

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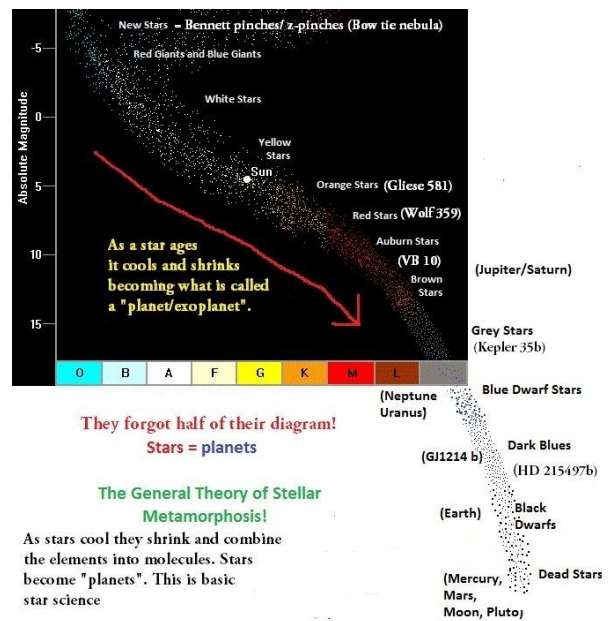
This paper explains that the root assumption of all of astrophysics that stars and planets are mutually exclusive is incorrect. Stars and planets are the same objects only in different stages of evolution. A star is a young planet and a planet is an older star. The reader can use basic laws of thermodynamics to explain star evolution these are known as matter phase transitions. No warped space, big bang, black holes or dark matter is needed to properly explain star evolution. The establishment has simply ignored the entire evolution of stars and basic thermodynamics in favor of mathematical models that have no grounding in reality or empirical science.

1.1. The Wrong Root Assumption

It has been assumed for thousands of years that stars are mutually exclusive objects and that their formation leaves left over remains called planets, but this leaves a gigantic problem. Any sort of logic or math that uses wrong root assumptions will always be wrong. This means if the wrong root assumption is kept, that stars and planets are separate objects, there is no possible way to understand anything. Logic only works if the assumption is correct. Therefore this paper only corrects the root assumption and gives reason why it must be corrected immediately. Math does not possess the capacity to correct root assumptions, only a thinking mind can do that.

1.2. The Correct Root Assumption

Stars and planets are not mutually exclusive objects and their formation is the beginning of planet formation itself as a star is a new planet and a planet/exo-planet is an older star. Referring to stars as planets and planets as stars is both correct. They are synonymous terms. It should also be understood by the reader that the word planet is from the ancient Greek for "wandering star" or αστήρ πλανήτης (*astēr planētēs*). Stars are planets, they are the same objects.



2. Phase Transitions

2.1 Matter Creation

Quasars create matter as they are new born galaxies. Stars do not create matter they are the dissipative structures that sort the material into cohesive objects and begin the formation of life. A picture of this matter creation is provided as the radio galaxy Hercules A, as it is a new galaxy growing new arms. To deny the observational fact that material is coming out of this object is to be in denial of both common sense and scientific discovery.



Hercules A

2.2 Gas to Plasma

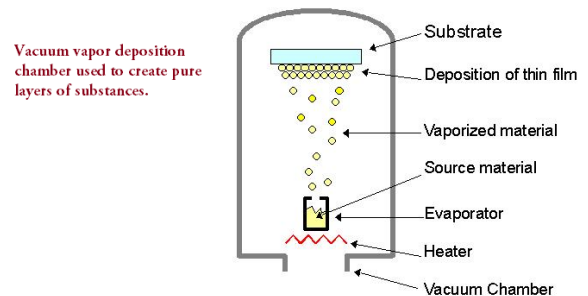
A portion of a large gas cloud that was created by a birthing galaxy condenses and is squeezed and heated by a Z-pinch mechanism. The pinching and heating of the material is caused by enormous electric current flowing through the gas causing very strong magnetic fields to ionize the gas to plasma, similar to an induction heater used to melt metals. The enormous amount of heat and pressurization in the center of this object causes the outer layers to exhibit extremely cold temperatures so that thermodynamic equilibrium remains steady as the star is forming. As we can see theoretical proto-stars created via gravitation or T-Tauri stars are pure fiction invented by mathematical physicists as no pictures of them currently exist in scientific literature. Below is a picture of the Boomerang Nebula, this is a birthing star, as no math is required to see what a new star looks like.



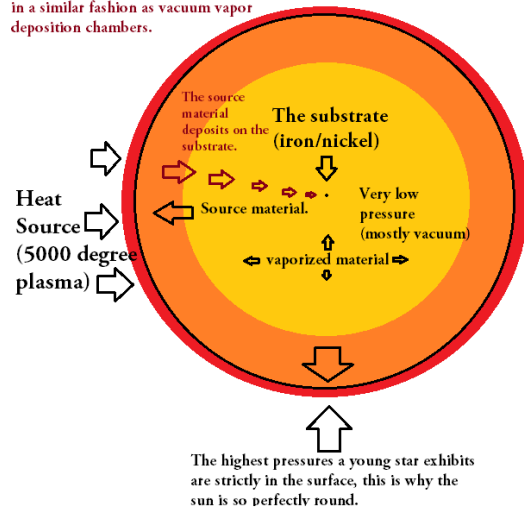
Boomerang Nebula

2.3 Plasma to Gas

A young star full of plasma remains very hot and large, as the majority of the mass is located in the outer shell of the star. Eventually it will condense as the material needed for iron core formation starts depositing on the inner iron substrate. The other elements will start recombination meaning they will combine to make what are called molecules such as water, silicone dioxide, methane, and even amino acids. This plasma will continue to cool as the shell contracts to become gas creating what is called a red dwarf and eventually a "gas giant planet".

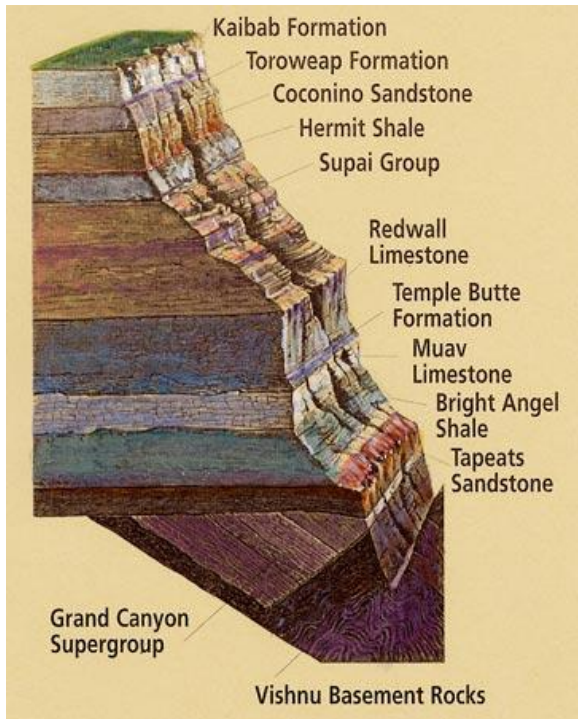


This is a young star. It is creating the iron core in a similar fashion as vacuum vapor deposition chambers.



2.4 Gas to Solids and Liquids

A gas giant continues cooling and deposits the material as solids and liquids thus forming what are called "rocky planets" like Earth. The gas undergoes continual deposition, condensation and freezing on higher temperature and pressure scales. This process creates the very ground that is walked upon, and is also why geological areas are made of layered rock such as the Grand Canyon. Also water vapor in the atmosphere of the cooling star cools considerably and becomes liquid in very large amounts thus forming the oceans.



2.5 Solid Material to Asteroids and Rings

The dead star wanders the galaxy smashing into other dead stars as they change orbits creating asteroid belts and rings around other younger stars. This is why the famous proto-planetary disks are bright in the infrared but cool very quickly, as they are the remains of stars smashing into each other leaving red hot shrapnel to float about indefinitely in outer space. It is taught and believed by the establishment that proto-planetary disks create Earth sized objects the opposite is actually true, they signal star destruction.

2.6 Phase Transitions

Simple phase transitions are ignored by the astrophysicists, astronomers and geologists of the 20th and 21st centuries. Thermodynamic phase transitions are the process with which plasma can change its state back to a gas, or a gas can become a solid/liquid or go back to being plasma again. The incredible amount of energy that can be stored and released when a young star cools and recombines the vast majority of its plasma into gas or gas into plasma is astounding as this recombination and ionization on large scales are what cause solar flares. Also in addition, the energy then thus stored as the gas deposits as liquids such as oil/water increase even more considerably. If gas deposition did not occur inside of middle aged stars such as Jupiter or Saturn, then the older stars such as the Earth would have never formed incredible oil deposits or any layered

material such as the Grand Canyon or any geological formation for that matter.

The process of planetary differentiation occurs during a stars' metamorphosis, from large gas cloud, to large cohesive blue star in a z-pinch, then down to cooler plasma that becomes gas, then down to solids and liquids which forms the very atmosphere and ground all humans walk upon. The birthing process of a star is the only stage at which the overall enthalpy of the system increases. After the star is born its evolution takes the reverse path and the enthalpy of the star diminishes considerably.

This decreasing enthalpy is what gravitation is. Thus meaning gravitation itself is a thermodynamic event in which a stars material is simply losing enthalpy at a specific rate. Thus also meaning gravitation is not a force, is definitely NOT constant as is taught and believed by the establishment, and is definitely NOT caused by math equations that state that space warps. The faster the lowering of enthalpy the higher the "gravitation", thus meaning if a star loses enthalpy faster than another, it will exert more "gravitation". This is why the younger stars Jupiter and Saturn are measured to be more "massive" than the Earth, and why the Sun appears to be more massive than all the others combined. The truth is that they are more than likely much similar in mass, not thousands of times heavier than each other. Using mass as the cause of gravitation is not science. Actual objects changing their state cause gravitation, not fantasies like space-time warping or fictional objects like gravitons.

