

Star Energy

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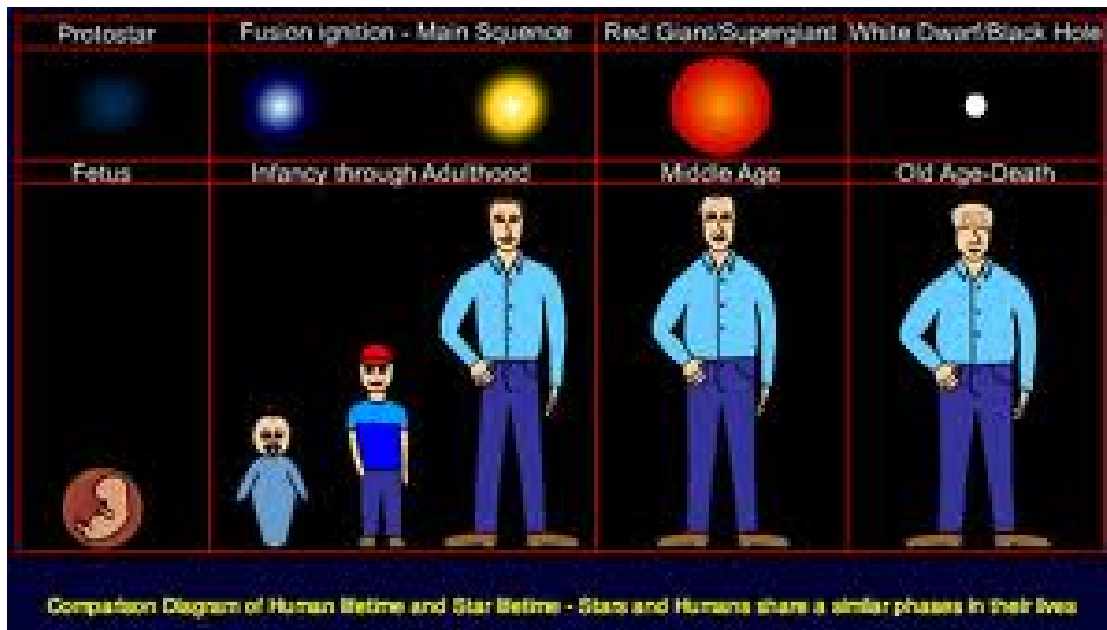
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Summery

Our goal of this project is to get cheap, dependable, energy that will last a very, very, very, very, very, very, very, very long time. We are going to get this energy by harvesting a star. We will make the star about a mile long. The lifespan of a star is about 100 billion years. You are probably wondering how we would do that; well we are going to construct one.

There is a theory on this and it is called the Dyson theory, which is what we wanted to do. There are different stages of a star, and when the star is a white dwarf we will shoot it out in space far enough from Earth so nothing bad will happen. When a star expires the star turns into a black hole so we would have to put it in space at a safe distance. It would take a lot of fuel to launch the star into space. We would have so much extra fuel because we would use the energy from the star.

The way we would get the energy is by putting the star in a capsule that is surrounded by solar panels. The type of capsule we would use is called a Bucky ball. We would put it underground. Solar panels are expensive but it will be worth it when we get the free energy. A solar panel can produce about 41568800 kilowatts per year, and 41683000 kilowatts on a leap year. This could also solve world by everyone to get energy so we would share it. That is our plan for our G.U.T.S project I hope you enjoy our project as much as we did.



Bibliography

Some of our knowledge came from the Dyson theory. We got the information about the stars lifetime and the picture is at [http://aspire.cosmic-ray.org/labs/star life/starlife main.html](http://aspire.cosmic-ray.org/labs/star%20life/starlife_main.html) and for the solar energy <http://solarpowerrocks.com/solar-basics/how-much-electricity-does-a-solar-panel-produce/>. A book that gave us the information about the Bucky ball was "The Particle Model of Matter" by Roberta Baxter pg. 18.

Background information

The background knowledge is that we knew how long a star could live, that stars have different elements composing it, and that stars hold a lot of energy. We also knew that solar can produce a lot of energy but we did not know how much and that they can be very expensive. We also know that stars can turn into a black hole when it "dies".