Is using antimatter as fuel for rockets feasible

Science, Physics

Is using antimatter as fuel for rockets feasible? Introduction Background and purpose Antimatter is a fundamental topic with composition of the underlying antiparticles such as the antielectrons, antiprotons and antineutrons and normally possesses similar properties as that of matter. Interaction of antimatter with corresponding matter results to explosion thus transforming mass into energy. The energy produced during collision is the main solution of the efficiency in regard to the energy production within the universe.

Source of data

This report will use information from two of the reputable companies. Thus, determination of feasibility of antimatter as fuel for rockets employ data from companies that manufacture rockets fuel such as GKS and Cohham. The two companies are better placed to utilize the research to come up with new spaceship and utilize antimatter as its fuel. It is believed that there is no source of energy better than this if well utilized.

Scope of analysis

The feasibility will cover the following topics:

Efficiency of the antimatter

Availability of the antimatter

Technology required and cost

How antimatter can be stored

Safety of antimatter to the users

Conclusion

Antimatter force is not just a science fiction subject. Using antimatter as rockets fuel could be very valuable. Even though, antimatter cannot be

found easily, it would have to be created. If given the permission, I will be glad to start my research on the feasibility of using antimatter as fuel for rockets.

Reference

Bignami, G. F., & Sommariva, A. (2013). A scenario for interstellar exploration and its financing. Milan: Springer.