

## A 100 Year Task That Involve Seven Impossible Tasks

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Seven Impossible Tasks were set in the groundbreaking textbook, *The Physicalist Program* that laid the bases for a century-long task to complete The Grand Unification Scheme that will concurrently ignite and take advantage of the terraformic process. Since then the physical sciences have undergone significant progress in high-energy physics and mathematical physics. There has been advances in different specialized fields such as quantum computers, solid-state physics, supersymmetry, super-quantum cosmology, and etc. Here one delves on the primary advances that has significance to PHPR [The Physicalist Program].

It's discerned that the planet is undergoing an energy crisis that coincides with a climate crisis. To forestall this crisis requires a new energy-source. One that is clean and efficient. That can produce enough energy to power the planet and one in which the byproducts of such energy-source won't do any further damage to the Earth's climate. As well such energy-source must keep up with rising population growth and advances in high-tech. The only clean-energy source capable of meeting those demands is understood as International Thermonuclear Experimental Reactor [ITER] that aims to impart energy that is equivalent to the amount of energy produce by the sun but clean and efficient that no lasting damage will be done to the environment or the Earth's climate.

That is by fusing hydrogen atoms utilizing a unique design of lasers, and by resolving the problem of confinement, will ITER be able to achieve nuclear fusion.

But with clean-energy comes a heavy price: mineral depletion, in which, the more energy ITER produces it's expected that more industrialization and manufacturing will surmount. That is at a certain point minerals will become more scarce. With rising mineral scarcity comes rising food-scarcity, and higher-prices on goods and services. Where territorial conflict and displacement becomes more ominous.

In that manner one undergoes a domino effect that eventually leads to a planetary decline consistent with a rotting planet -- a dead planet. PHPR establish The First Task as a resolution to a foreseeable catastrophic scenario in the Scientific Age in the form of a task. The First Task has been set as the resolution to mineral depletion. That is to ignite the terraformic process, and to take advantage of the terraformic process by completing and utilizing The Grand Unification Scheme.

Seven Impossible Tasks has been set that aim to organize PHPR's endeavor in completing The First Task. 60 percent of The First Task must be completed within the 40-year time frame and 40 percent must be completed within the next 60-year time frame which means a 100 Year Task has been set. After the 40-year time frame ITER will be mass-produce.

There has been ongoing controversy about the First Impossible Task. That is dark matter and supersymmetry. Its been known that the latest experimental finding has produce little if no tangible evidence of dark matter. It's assumed that

one's understanding of dark matter will be revised. Because it's expected that the hierarchy problem will be abandoned in favor of metaspace then experimentally proving the existence of dark matter faces significant obstacles -- as hierarchy is essential for dark matters existence. If SUSY-like physics resides in metaspace; then, one's preconception of dark matter will change. But is dark matter essential for completing The First Task?

Dark matter exists as WIMPS that weakly interact with ordinary matter and since inducing a terraformic reaction aims to control matter at the quantum scale; then, one can drop dark matter even if whether or not significant modifications are to be made. That said supersymmetry resides as SUSY-like physics in metaspace.

Accounting for all 121 variant [of stringy]'s, stipulated by the TrH Theorem, as originally proposed, is now an attempt to gain access to metaspace. Whereby computational control and SUPREME has undergone advances of their own. SUPREME is of utmost importance and in which SUPREME has been exhausted. That is to sustain indefinitely the terraformic process one must impose Incalculability that naturally integrates with computational control.

But because holography has been cast into doubt, and whereby a limitless measure has been imposed to control holography, one is not to be too carried away by AdS/CFT correspondence.

As such the completion of The Grand Unification Scheme becomes of imperative importance and in which miniscule revisions can be made as one gets closer to completing The First Task:

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1<sup>st</sup> Task: ITER and SUSY.

2<sup>nd</sup> Task: Simplification of the Physics.

3<sup>rd</sup> Task: Metaspace.

4<sup>st</sup> Task: The mathematics will change since computation and probability has been eliminated.

5<sup>st</sup> Task: Computational Control and Incalculability.

6<sup>st</sup> Task: Holography toward the Grand Unification Scheme; you can make revisions.

7<sup>st</sup> Task: You can only make miniscule revisions.

Where simplification of the physics is to continue by imposing Logical Form [LF].