

# Big bang to computronium

Tom Rochette <tom.rochette@coreteks.org>

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## 1 Prompt

How do we go from the big bang to a universe fully saturated with computronium?

## 2 Answer

The process of going from the big bang to a universe fully saturated with computronium is a hypothetical scenario that is currently not supported by scientific evidence. The big bang theory is the prevailing cosmological model that explains the evolution of the universe from its initial state as a singularity with extremely high density and temperature to its present state. According to this theory, the universe began as a singularity that underwent a rapid expansion, during which the fundamental forces of nature, including electromagnetism, the strong nuclear force, and the weak nuclear force, separated from a unified force.

As the universe cooled and expanded, matter and energy began to coalesce into various structures, including galaxies, stars, and planets. It is thought that the universe is still expanding and will continue to do so for an indefinite period of time.

There is currently no scientific evidence to suggest that the universe will eventually become fully saturated with computronium, which is a hypothetical form of matter that is composed entirely of computational elements. The concept of computronium is based on the idea that it would be possible to create a substance that is composed entirely of computational elements and that is capable of carrying out computations at the maximum possible efficiency. While the concept of computronium is interesting from a theoretical perspective, it remains purely speculative and is not supported by any empirical evidence.