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Liberation from Energy Sources

Richard P. Feynman in his book [1], p. 86 was discussing about energy sources in the nature and finally he wrote “Therefore it is up to the physicists to figure out how to liberate us from the need for having energy. It can be done”.

This article suggests a possible way of such liberation.

R.P. Feynman considered gas as Turing machine discussing it in [2] p. 137-148.

One can suggest the same approach for the whole Universe (including people and their knowledge and thoughts). Let us consider Universe as some Turing machine where cells are basically atoms with their states. The Universe gets written on the tape by the head according to some rules.

In his book [2] R. P. Feynman writes “we will define the information in the message to be proportional to the amount of free energy required to reset the entire tape to zero”, and further he writes “we can show that to reset this to zero costs no energy in several ways”.

He suggests a way to such reset of the tape – turn the atomic box over.

In computer science this procedure is known as “garbage collection”.

In simple words, the notion of Energy source exists only because people wanted that it exists and can be forgotten.

Literature.

1. Richard P. Feynman. Six easy pieces, Penguin books, isbn:978-0-140-27666-4
2. Richard P. Feynman. Lectures on Computation, Westview, The advanced book program, isbn-10: 0-7382-0296-7