

The incompleteness of Universe

Dmitri Martila (eestidima@gmail.com)

Estonian Physical Society

Lääne 9-51, Tartu 50605, Estonia

(Dated: July 2, 2015)

Abstract

With simple, but vivid argument I am proving, what the Universe has the Beginning, will have the End and is finite in volume. Tell the others on Facebook, Twitter, etc, to make this world a better place to live and think.

PACS numbers:

I. PROBLEM TO SOLVE

In situations with Dark Matter the Borde-Guth-Vilenkin theorem [1] can be not applicable (as in [2]) and, thus, the infinitely long past would be possible.

II. MY CONTRIBUTION

Just like one assumes to measure the pressure and temperature inside the Sun, the researcher can mentally “go back” in time (with the instruments) to measure the times, distances and to record events.

Because there is no value on the time-axis, which reads “infinity”, the World could be very old, but not the infinitely old. Thus, the World began to exist.

One finds the same way, that the volume of the Universe is finite, and the World will End before the infinitely distant future.

III. CONCLUSION

Any model is incomplete in: the past, future and space.

IV. APPEAL TO THE READER

Your comments are welcome. Tell the others on Facebook, Twitter, etc, to make this world a better place to live and think. Let this information be spread until the professionals will get chance to read it. Let this paper be spread among the “simple” people until the elite researches will reach it. Be well, Dmitri Martila.

-
- [1] A. Borde, A. H. Guth and A. Vilenkin, Inflationary spacetimes are not past-complete, arXiv:gr-qc/0110012v2 (also published in Phys. Rev. Lett. **90**, 151301 (2003)).
- [2] Dmitri Martila, “Simplest Explanation of Dark Matter and Dark Energy”, 2013, LAP LAMBERT Academic Publishing, ISBN 978-3-659-50275-0 but the incomplete text is in viXra:1305.0131.