

ФИЗИКО- МАТЕМАТИЧЕСКИЕ НАУКИ

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THE END OF THE WORLD AND GREAT CONTRACTION ACCORDING TO THE QUR'AN AND NEW SCIENCE

In this article, the end of the world and the great contraction are discussed. The scientific facts of the Quran and the findings of new technologies prove that after the expansion of the world, the end of the world and a great contraction will also occur. These scientific explanations are completely consistent with the Qur'anic explanations and this information shows one of the miracles of the Qur'an. According to many physicists, the Big Bang was the beginning of the universe, and the entire universe, along with its material and temporal dimensions, was created a long time ago by a powerful explosion, which is called the Big Bang. But according to the Big Crunch hypothesis, the universe eventually stops expanding at a point and collapses, creating a black hole that absorbs everything in its path. The scientific facts of science fully confirm the verses of the Quran that refer to the death of the world, which is called the Resurrection, and after that the life of another world begins.

Key words: *Big Bang, Big Crunch, Dark matter, Holy Quran.*

Introduction

Fourteen centuries ago, Almighty God revealed the Qur'an. The Quran has miracles in every word of its verses and proves that it is the word of God. The hypothesis of Big Bang and Big Crunch is one of the important scientific facts of astronomy today, which astronomers research with their advanced and modern tools every day. This issue was fully explained fourteen centuries ago in the Holy Qur'an, and it is stated in separate verses that the world after full expansion shrinks twice and returns to its original state

until another world is created and it is called the world of survival [1; 2]. The study of scientific aspects in the Holy Quran has recently gained a lot of scope. The scientific facts of the Quran are in full agreement with the findings of contemporary scientists [3; 4]. Today's space satellites, including Kobe, WMAP, and Planck, not only provide us with the most detailed glimpse into the early years of the universe, but also provide a detailed picture of how the universe died. Just as the mysterious force of anti-gravity pushed the galaxies apart at the beginning of time and became known as inflation, this same force is pushing the universe towards its ultimate destiny. Today NASA spacecraft such as the Hubble Space Telescope and the Spitzer Space Telescope continue measuring the expansion of the Universe. One of the goals has long been to decide whether the Universe will expand forever, or whether it will someday stop, turn around, and collapse in a «Big Crunch?» [<https://science.nasa.gov/>].

The Big Crunch and Holy Quran

The Big Crunch is a theory that explains that the universe stops expanding at a point and therefore collapses, creating a black hole that absorbs everything in its path. The Big Crunch is a model of the universe that is somewhat symmetric to the Big Bang, in which a closed universe eventually contracts again after a phase of expansion. In this final phase of the universe, the temperature and density increase once again, destroying material structures such as galaxies, planets, atoms, and even nucleons. The universe returns to the plasma state of quarks and gluons. In this model, if only the classical equations of general relativity are used to describe space-time, a gravitational singularity results: space and time disappear with the matter they contain. But quantum effects, such as those found in superstring theory or ring quantum theory of gravity, can prevent this singularity from forming. The universe will reach a minimum size before returning to a new expansion phase. The discovery of the accelerated expansion of the universe implies that it will never end and therefore the Great Crisis will not occur. Since we do not know the nature of the dark energy that is assumed to be responsible for this accelerated expansion, nothing is known for certain. So, nevertheless, the universe ends up in a Big Crunch if dark energy is described by a scalar field whose energy density changes in such a way that it eventually becomes attractive rather than repulsive (hence, supergravity models exist, such as by Renata Kalosh and Andrei Linde in which the universe stops accelerating and turns into contraction to end in a big crunch in a few tens to hundreds of billions of years).



Fig. 1. Depending on whether or not dark energy is variable in nature, the universe will end in a big crunch or continue expanding forever. This graph shows the acceleration and deceleration of the universe's expansion over time. Then there are three possible scenarios for the end of the world.

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Scientists say that when the mass of the universe becomes large enough, this expansion will finally end because the force of gravity causes it to collapse in on itself. It is believed that the universe is shrinking to an intense heat, which is known as the Big Crunch [5; 6].



Fig. 2. Diposting oleh Agus Dwi Juli 18, 2020 Posting Komentar

The whole world shrinks and goes away. and turns into a point smaller than a proton. Physicists know that dark energy can become negative and destroy the universe in the very distant future. Now we may not be at the beginning of the life of the world, but in the middle of it. Finally, the Big Crunch hypothesis says that the developed world will decay at an increasing rate until it loses all its mass and turns into a single point of infinite dirt.

This issue is stated in the Holy Quran as follows:

يَوْمَ نَطْوِي السَّمَاءَ كَطَيِّ السِّجِلِّ لِلْكُتُبِ كَمَا بَدَأْنَا أَوَّلَ خَلْقٍ نُعِيدُهُ وَعَدَّا عَلَيْهَا إِنَّا كُنَّا فَاعِلِينَ ﴿١٠٤﴾

The day when we will roll up the heavens like a scroll and return them to the original state that we created, this is a promise that we will certainly fulfill (Anbiya-104).

Conclusion

After the expansion of the universe, the end of the universe and a great contraction will also occur. These scientific explanations are completely consistent with the Qur'anic explanations and this information shows one of the miracles of the Qur'an. According to many physicists, the Big Bang was the beginning of the universe, and the entire universe, along with its material and temporal dimensions, came into existence a long time ago as a result of a powerful explosion. The world finally stops at a point of expansion until another world emerges after the death of this world, which is called the Resurrection.

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ПОНЯТИЯ КОНЦА СВЕТА И ВЕЛИКОГО СЖАТИЯ СОГЛАСНО КОРАНУ И НОВОЙ НАУКЕ

В данной статье обсуждаются понятия конца света и великого сжатия. Научные факты Корана и открытия новейших технологий доказывают, что после расширения мира также произойдет конец света и великое сжатие. Эти научные объяснения полностью согласуются с объяснениями Корана, и эта информация показывает одно из чудес Корана. По мнению многих физиков, Большой взрыв был началом Вселенной, и вся Вселенная, вместе с ее материальными и временными измерениями, была создана давным-давно в результате мощного взрыва, который называется Большим взрывом. Но согласно гипотезе Большого крушения, Вселенная в конечном итоге перестает расширяться в какой-то точке и коллапсирует, создавая черную дыру, которая поглощает все на своем пути. Научные факты науки полностью подтверждают аяты Корана, в которых говорится о смерти мира, которая называется Воскресением, после чего начинается жизнь в другом мире.

Ключевые слова: Большой взрыв, Большое крушение, темная материя, Священный Коран.
