A new beginning

• A new era of science, again?
• The Atheists are on the defensive, conjecture – theories – unseen and impossible to prove
• Believers are talking about scientific facts
• You can be a scientist and believe in God
Ignorance or God?

• Constellations
• Eclipse
• Plague
• Disease
• Weather
• Death
Science explains everything

“the intellectual and practical activity encompassing the systematic study of the structure and behavior of the physical and natural world through observation and experiment”
Fine tuning

The fine-tuned universe is the proposition that the conditions that allow life in the universe can occur only when certain universal dimensionless physical constants lie within a very narrow range of values, so that if any of several fundamental constants were only slightly different, the universe would be unlikely to be conducive to the establishment and development of matter, astronomical structures, elemental diversity, or life as it is understood.
How “fine” is fine tuning?

Cosmological Constant; 10 in $10^{120}$

Cosmic Energy Density; 1 in $10^{-60}$

The Strong and Weak Nuclear Force; 1 in $10^{23}$
Maybe we were just very very lucky?

What is the probability of our universe having the ideal, low entropy that it does?

Roger Penrose calculated it to be:

$$\frac{1}{10^{10^{123}}}$$
Are the atheists having a change of heart?

“How surprising it is that the laws of nature and the initial conditions of the universe should allow for the existence of beings who could observe it. Life as we know it would be impossible if any one of several physical quantities had slightly different values” Steven Weinberg

"The remarkable fact is that the values of these numbers (i.e. the constants of physics) seem to have been very finely adjusted to make possible the development of life" Sir Stephen Hawking
Multiverse

• Not one big bang but many big bangs
• Infinite number of other universes
• Different sets of laws
• How to prove multiverse exists
• Are the other universes fine tuned too?
• Is there life on other universes?
Research

1. What does the Qura‘n say about Fine Tuning?
2. Was fine tuning required at the beginning of the universe only or a perpetual tuning is required?

The Promised Messiah (as) once explained the difference between Allah as a creator and a human who creates or makes something. He gave an example of an architect or a builder who makes a building. Even if he then dies the building will still stay and will bear no loss.

It is very different in the case of Allah, the creation can not survive without the constant sustenance that comes from Allah.

[2:256] Allah — there is no God but He, the Living, the Self-Subsisting and All-Sustaining...
Why Ahmadis?

[2:21] The lightning might well-nigh snatch away their sight; whenever it shines upon them, they walk therein; and when it becomes dark to them, they stand still...

Promised Messiah (as) has mentioned that when Allah’s revelations descend upon His prophets other people also benefit from it. The philosophers, poets, scientists of that age also benefit from the light.
Qur’an and fine tuning

Perpetual Tuning

[13:03] Allah is He Who raised up the heavens without any pillars that you can see. Then He settled Himself on the Throne. And He pressed the sun and the moon into service: each pursues its course until an appointed term. He regulates it all. He clearly explains the Signs, that you may have a firm belief in the meeting with your Lord.

[65:13] Allah is He Who created seven heavens, and of the earth the like thereof. The divine command comes down in their midst, that you may know that Allah has power over all things, and that Allah encompasses all things in His knowledge.
Qur’ān and fine tuning

Fine Tuning

[41:12] Then He turned to the heaven while it was something like smoke, and said to it and to the earth: ‘Come ye both of you, willingly or unwillingly.’ They said, ‘We come willingly.’

[11:08] And He it is Who created the heavens and the earth in six periods, and His throne rests on water,…

[55:08] And the heaven He has raised high and set up a measure.

[13:09] …And with Him everything has a proper measure.

[65:4] … For everything has Allah appointed a measure.