

Science

&

The Case for God

(Part 1: The Big Bang)

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The text in this presentation

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*Recommended
Reading*

There is A God

(How an

Atheist Scientist

changed his mind)



John M. Kinson

Does Science Point to God?

(Is there scientific evidence for God?)

God & Science – Book 2



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Inexpensive Kindle Books → [Amazon.com](https://www.amazon.com)

Introduction

(part 1)

Introduction

Does Science Point to God?

- Increasing amounts of evidence from Science are pointing towards Intelligent Design of our universe
- This is consistent with the existence of God
- Increasing numbers of scientists and philosophers are coming to this conclusion based on the evidence
- This series of presentations discusses some of the evidence

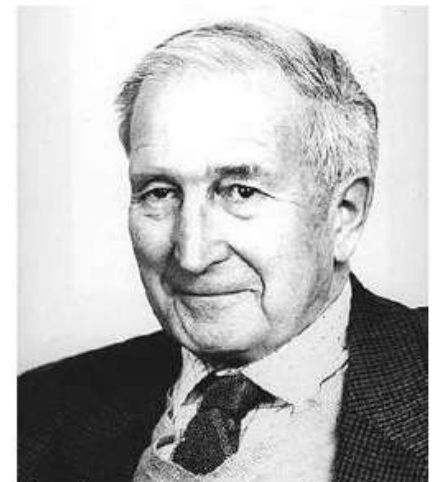
Agenda

This presenter → Atheism → Theism

- Scientific Evidence
- Philosophical Evidence

Anthony Flew: World's Leading Atheist
Philosopher for 50 years → Theist

- Big Bang
- Tuned Universe
- Origin of Life



The 20th century's most influential atheist thinker, Anthony Flew, announced in 2004 that he accepted the existence of a God.

Part 1

(The Big Bang)

The Big Bang

A Fine-tuned Universe

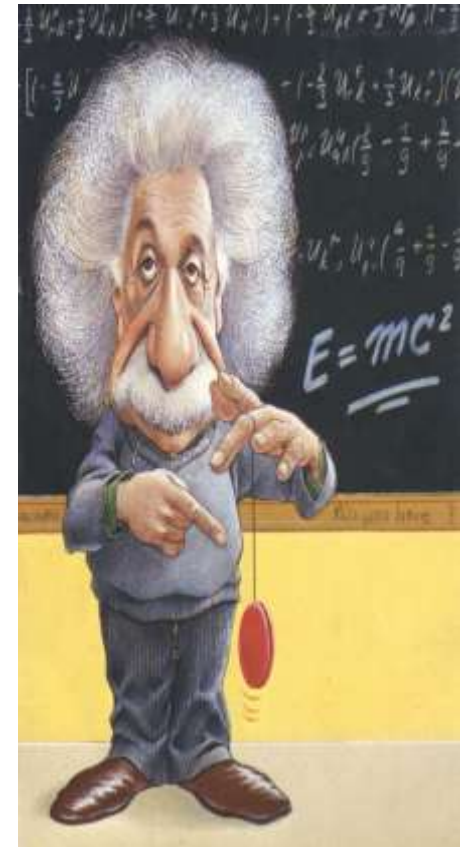
Origin of Life

Quiz

Who was the 20th century's greatest Scientist?

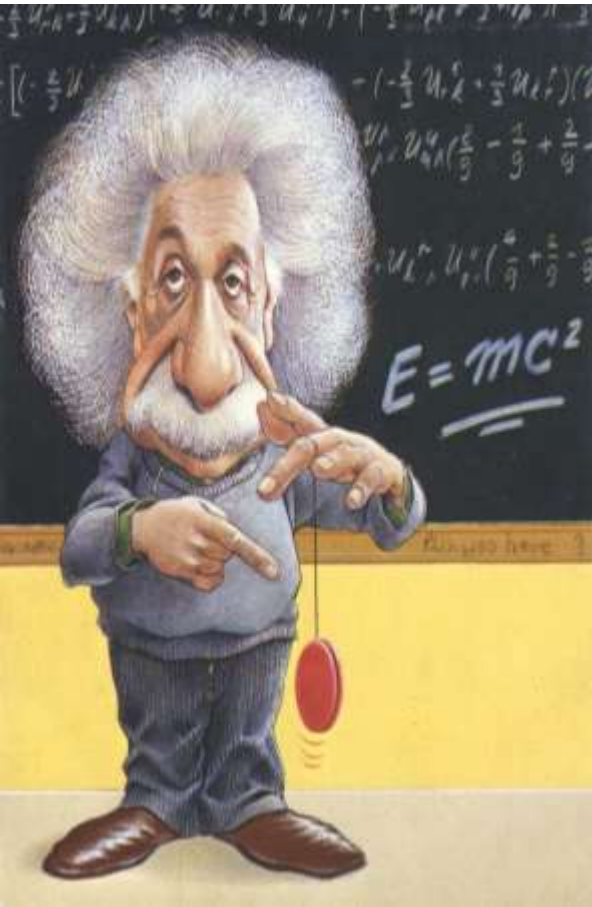


- A. Einstein
- B. Isaac Newton
- C. Britney Spears
- D. Al Gore



Quiz

What was Einstein's biggest blunder ?



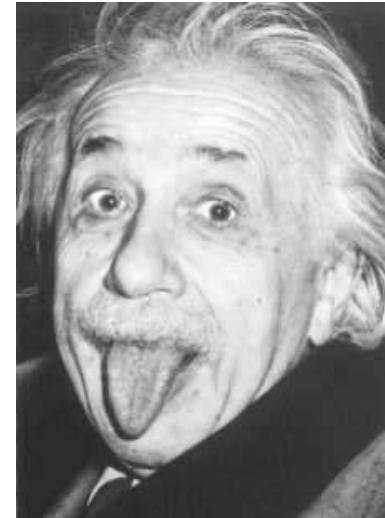
- A. His choice of hair stylist**
- B. Missing the K-Love Cruise**
- C. Choosing Burger King over McDonalds**
- D. Rejecting the expanding universe conclusion of his own theory**

Einstein's Blunder

Einstein didn't like the fact

- that his equations of relativity indicated that the universe began a finite time ago
- because that would imply that **God exists**
- so he **added a fudge factor** to keep the universe from expanding...

Later he acknowledged that this was the **biggest blunder of his career**



$$\frac{2d \times 2R}{Rdt^2} = \left(\frac{-8\pi G}{3} \right) \times \left(\frac{\rho + 3p}{c^2} \right)$$

where:

ρ =density

p =pressure

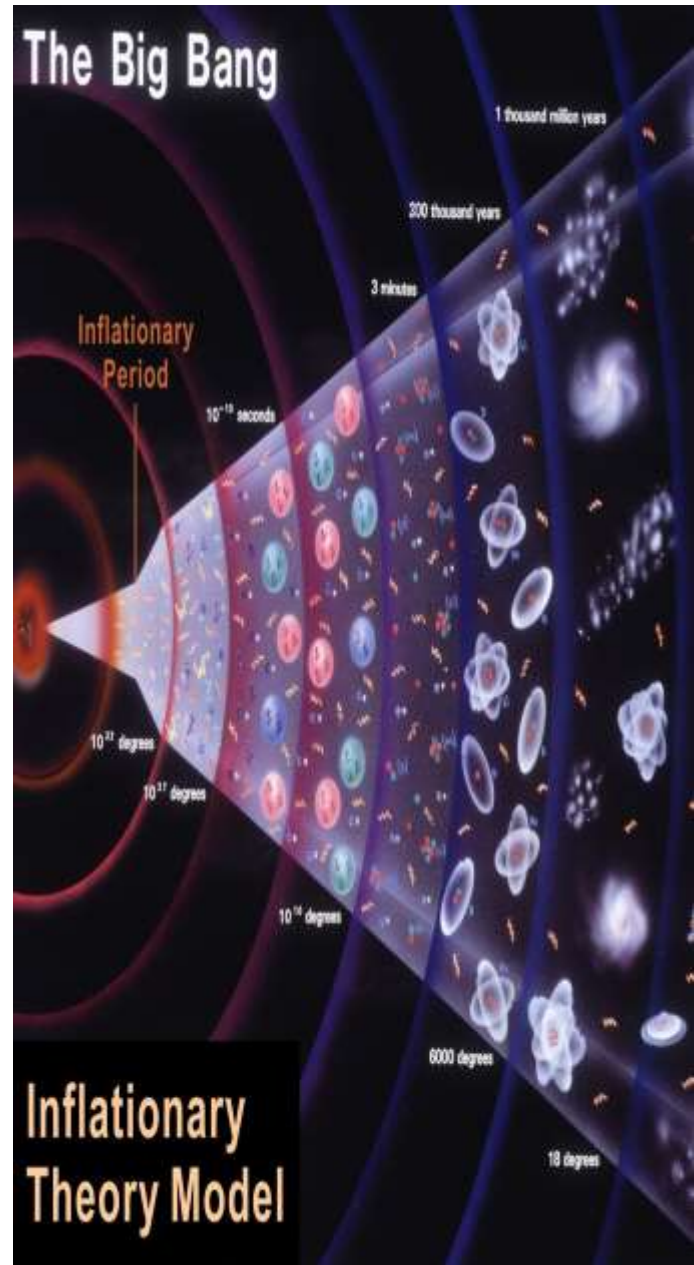
G =constant of gravity

c =speed of light

The Big Bang

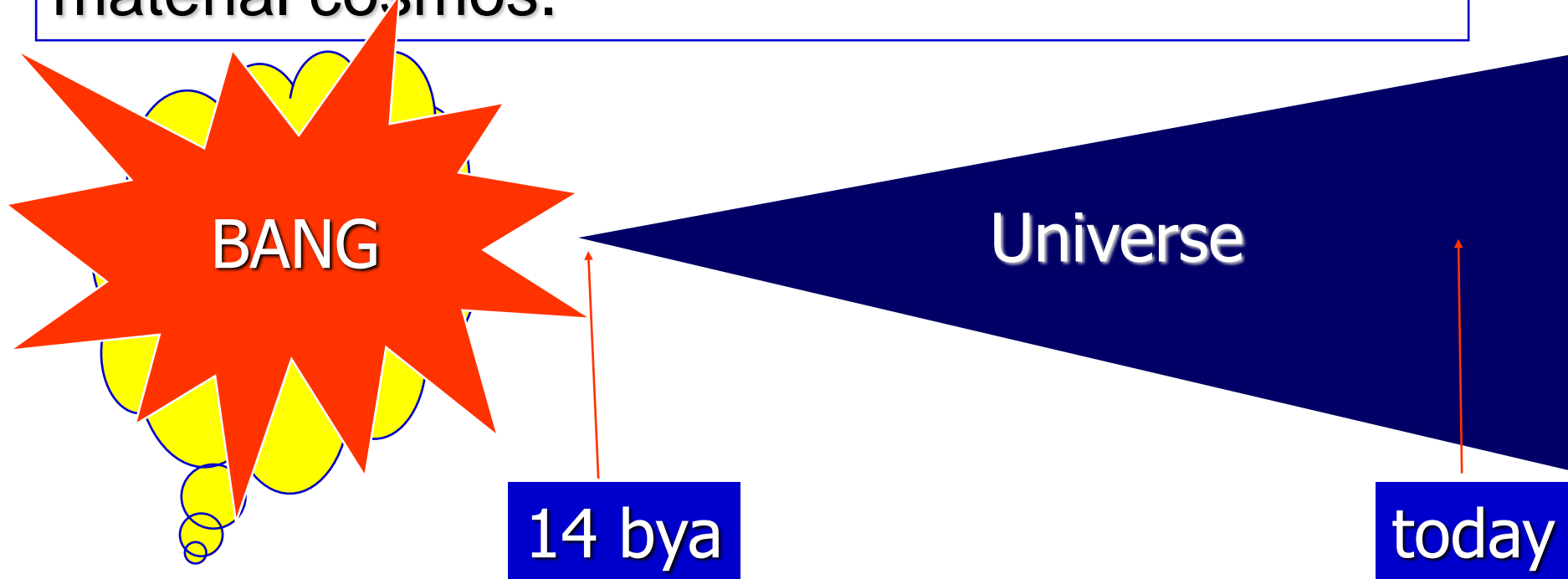


nebula



The Big Bang

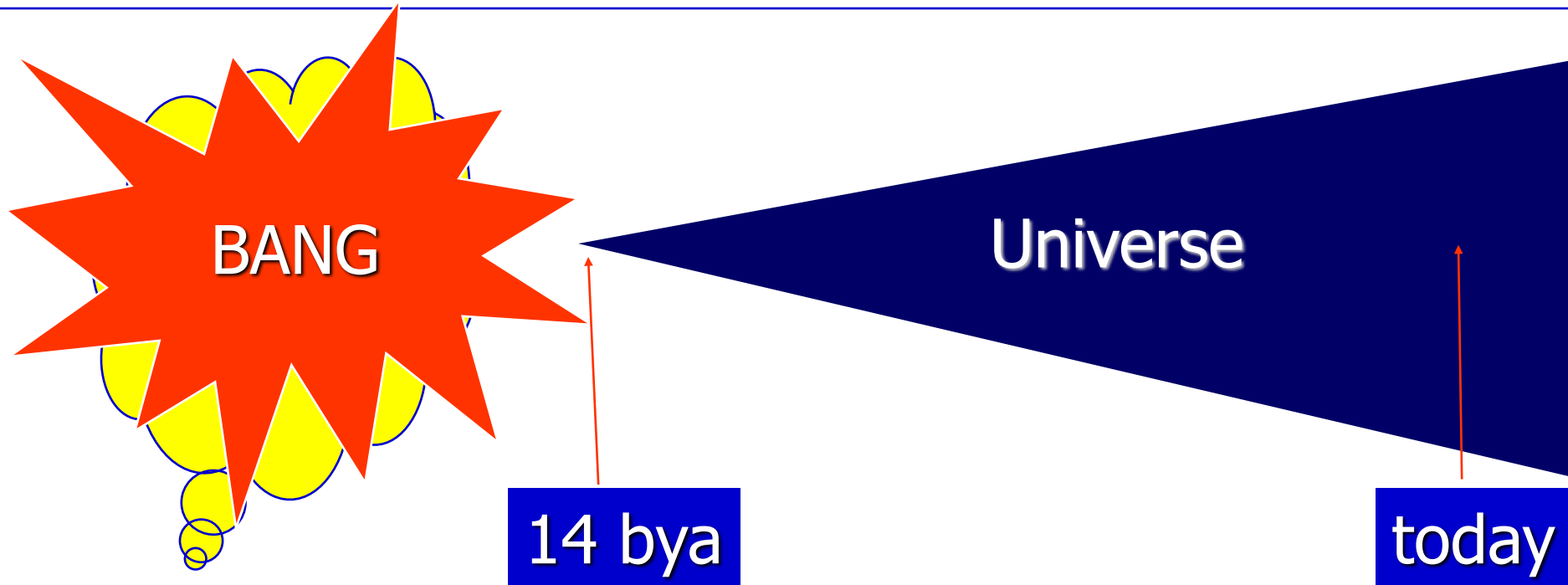
In cosmology, evidence indicates the **universe** --including all matter, space, time, and energy--**came suddenly into existence** a finite time ago, contradicting the earlier picture of an eternal and self-existing material cosmos.



The Time Finite Universe

Three separate pieces of evidence indicate that the Universe did NOT always exist. It is not infinitely old. It is Time-Finite (it has a finite age). It did not always exist.

1. Infinite Regress: you cannot cross an infinity; no matter how long you count, you will be at a finite number. If the universe is infinitely old, it must have crossed an infinity of time-instants. This is impossible. It would never have reached the present moment.
2. Thermodynamics: If the universe were infinitely old, it would have reached maximum entropy (heat death) an infinite amount of time ago. All of the stars would have used up their fuel, and would be dead.
3. The Big Bang: The universe is expanding. It was smaller in the past. If you extrapolate back 13.7 Billion years ago, it was smaller than the tip of your pencil. And prior to that it did not exist.



The Big Bang

Any Rational Atheist

- would **expect an eternal**
- self-existing **Universe**
- then you could argue that you don't need God to create or start the universe



OOPS !

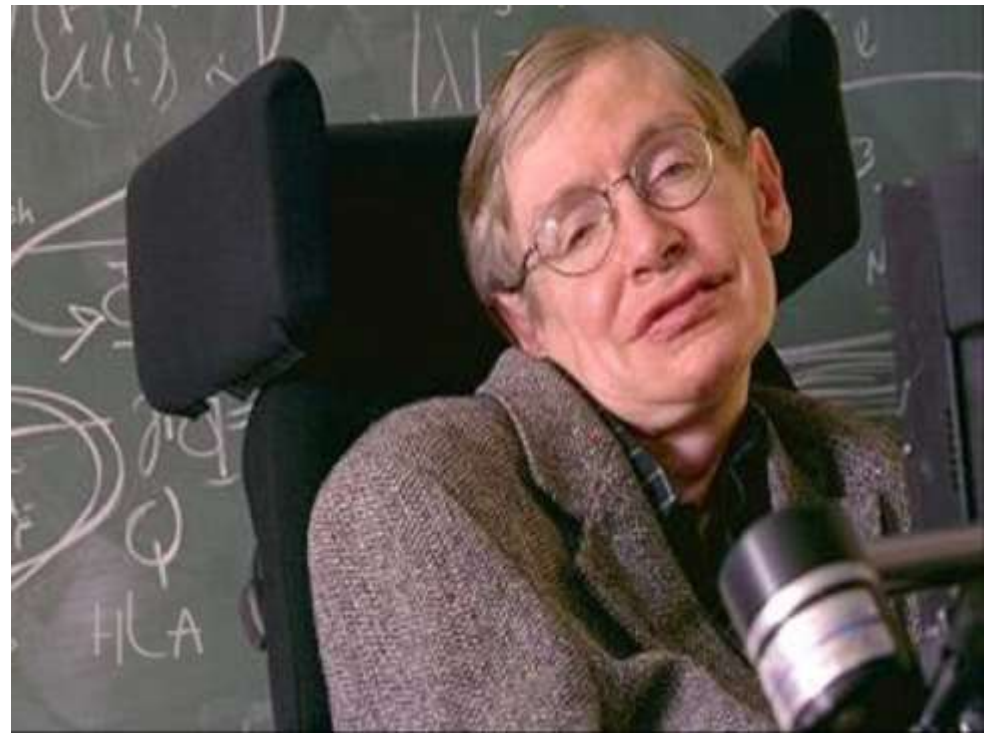
ATHEIST Objections to the Big Bang

➤ “philosophically unacceptable”

(Atheist John Maddox, “Down with the Big Bang” in *Nature*);
theological creationists can find “ample justification” for their
creationist creed in it. - 1989

➤ “smacks of divine intervention”

(Atheist Stephen Hawking, *A
Brief History of Time*) - 1988



ATHEIST Objections to the Big Bang

➤ Physicist Hubert Reeves remarked that the Big Bang "involves a certain **metaphysical aspect** which may be either appealing or revolting". - 1973

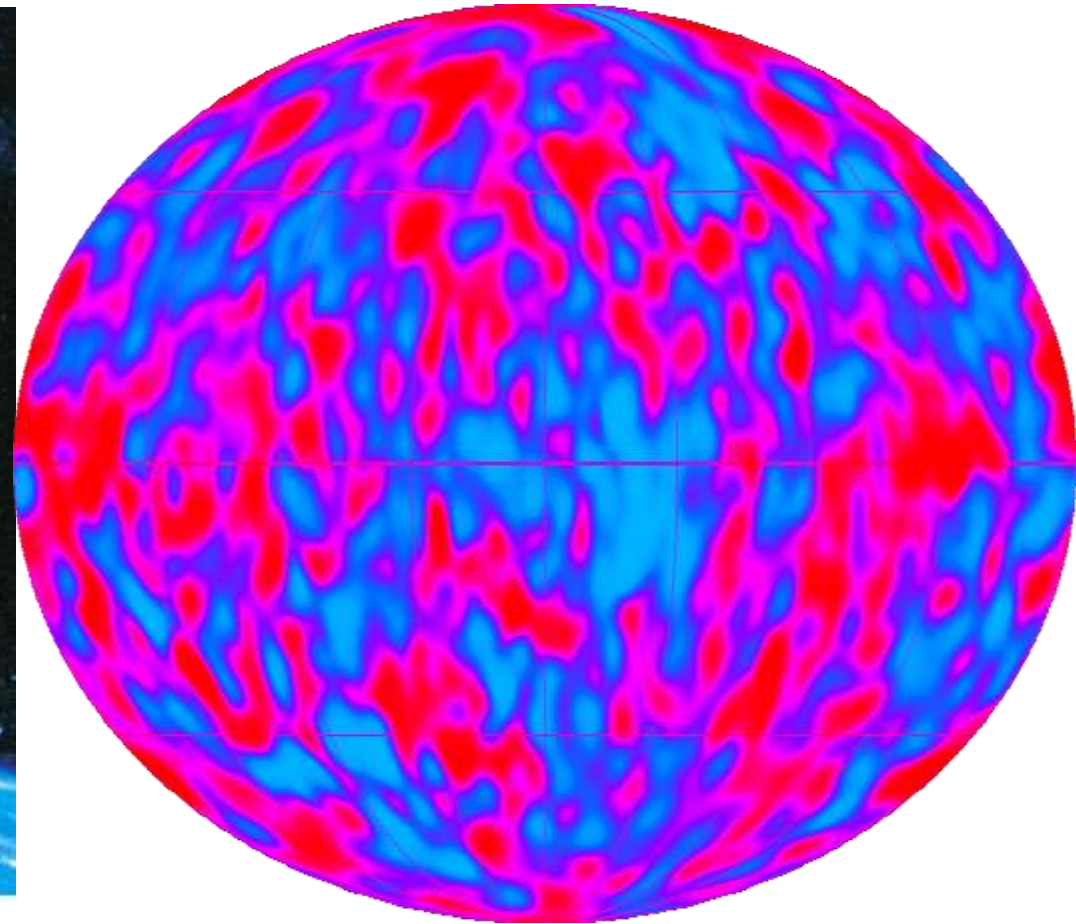
➤ "Perhaps the best argument in **favor of the thesis that the Big Bang supports theism** is the obvious unease with which it is greeted by some atheist physicists. At times this has led to scientific ideas, such as continuous creation [steady state] or an oscillating universe, being advanced with a tenacity which so exceeds their intrinsic worth that one can only suspect the **operation of psychological forces lying very much deeper** than the usual academic desire of a theorist to support his/her theory." (Physicist Christopher Isham) - 1988

OOPS !



COBE Satellite Confirms Big Bang

Microwave Ripples confirm Big Bang.

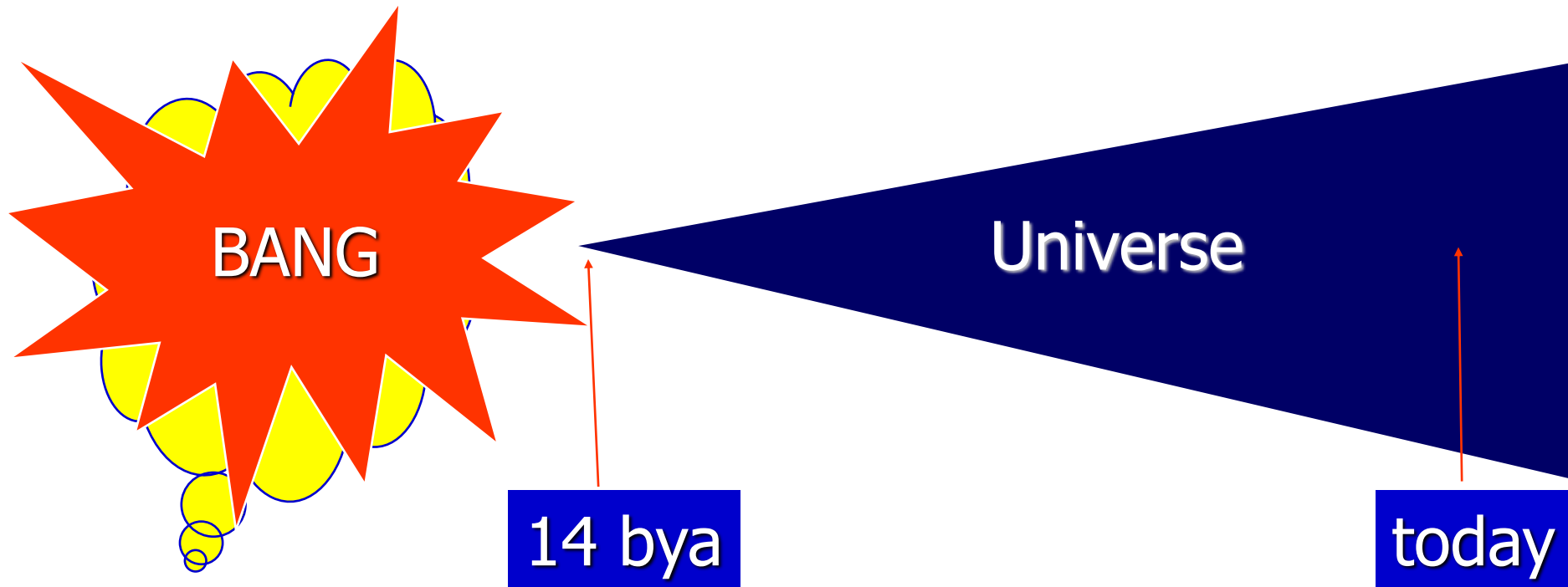


“What we have found is evidence for the birth of the universe. It’s like looking at God.”

Dr. George Smoot (UC Berkeley - COBE project leader)

The Big Bang

- All matter, space, time, energy -- came suddenly into existence ~14 billion years ago.
- Cause → **cannot be matter, energy, space, time** (or combinations) →
- **Transcendent/supernatural** (not matter, energy, space, time), **very powerful, volitional** (not deterministic) → **SuperMind Creator/ God**



Conclusion

The Big Bang points to God

Very unexpected for Atheism

What about Christian Theism ?

Genesis – In the Beginning God created the universe... And he said “let there be light” and there was light...

Evidence such as this

**Are shaking the Atheism/
Agnosticism**

**Of many Scientists,
philosophers & other
intellectuals**

It is interesting – to see signs of puzzlement in
otherwise naturalistic writings/ publications

A Universe Designed for Life



For the scientist who has lived by his faith in the power of reason, the story ends like a bad dream.

He has scaled the mountains of ignorance;

he is about to conquer the highest peak; as he pulls himself over the final rock,

he is greeted by a band of theologians who have been sitting there for centuries.

-- Robert Jastrow, Astronomer



Questions

(for discussion)

Questions for Discussion

- What did you learn (that was new to you) from this presentation?
- Did it come as a surprise to you that there is Scientific Evidence for God?
- Which of these evidences do you think is the most compelling?
- Do you feel that Science and Christian Faith are compatible?
Why, or why not?
- Was there anything in the presentation that was confusing or not clearly communicated?

•Action Steps

- Provide feedback to the presenter about what topics you would like covered in more detail.

- Read a book that goes into more detail on these topics.



There is A God

*(How an
Atheist Scientist
changed his mind)*



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Appendix

*(Responses to Atheist
Objections)*

Atheist Objection #A

- The universe came into being
- Out of nothing
- By itself
- Without any cause

Theist Response #A-1

This (above) is an Atheist-Conjecture (a guess or an assertion that is not supported by evidence)

--

This Atheist-Conjecture is irrational

- This (Atheist-Conjecture) destroys the grounds for Rationality
- The very basis of Rationality is Cause and Effect
- if the entire physical universe came into being without any cause, this destroys the very foundations of Cause & Effect
- And destroys the grounds for any Rationality (and for any rational endeavor)

Theist Response #A-2

- If the Entire physical universe can arise out of Nothing without any cause, there is nothing to prevent Flying unicorns, and Flying Spaghetti Monsters from popping into existence out of Nothing and without any cause
- In fact they can and will do so all over the place
- the fact that we have never seen Flying unicorns (and Flying Spaghetti Monsters) pop into existence by themselves anywhere (and all over the place) is strong evidence that it is not possible for things to just pop into existence without a cause.
- And therefore, this is strong evidence that the universe itself cannot just pop into existence without a cause.

Conclusion

It is **irrational** for an Atheist to insist that

- The universe came into being out of nothing, by itself, without any cause (without God).

Atheist Objection #A

The universe came into being

- Out of nothing
- By itself
- Without any cause

Theist Response #A-3

This Atheist-Conjecture is irrational

- If Nothing exists
- then there is Nothing available to do the creating of Something
- so if Nothing exists, then the only possible state of affairs is for Nothing to always exist

Something cannot just pop into existence out of Nothing

- our uniform experience confirms this to be true;
- and all of science also confirms this to be true.

Conclusion

It is **Irrational** for an Atheist to insist that

- The universe came into being out of nothing, by itself, without any cause (without God).

The Theist view is more **Rational**

- That God created the Universe

Atheist Objection #B

Our universe came into existence
-by birth from a mother universe

Theist Response #B-1

Note: the Mother Universe Conjecture is a subset of the Multiverse Conjecture.

So, this “Mother Universe” conjecture is the same as the Multiverse conjecture (see Atheist Objection #C)

So we will discuss this (Mother Universe) in our response to Atheist Objection #C.

Theist Response #B-2

Where did the mother universe come from?

- There are three possible Atheist answers
- (a) it came out of nothing, with no cause
- (b) it always existed
- (c) it came from a grand-mother universe

Theist Response #B-2-1

Let us consider each of these in turn

(a) Atheist objection: The mother universe came out of nothing, with no cause

Theist Response:

- This is irrational (see discussion for Atheist objection #A)
- We have already seen that Causation Out of Nothing, with No Cause is irrational (for our physical universe).
- The same logic applies to the mother universe as well

Atheist Objection #B

Our universe came into existence
-by birth from a mother universe

Theist Response #B-2-2

(b) Atheist objection: The mother universe
always existed

Theist Response:

- This is irrational
- The mother universe would have to have crossed an infinity of time-instants (just like our universe would have had to if it had always existed)
- It is impossible to cross an infinity by counting (you will never reach infinity no matter how long you count)
- Therefore, it is impossible for the mother universe to have crossed an infinite of time-instants (to get to today from the infinite past)
- Therefore, the mother universe cannot have always existed

Theist Response #B-2-3

(c) Atheist objection: The mother universe
came from a grandmother universe

Theist Response:

- Where did the grandmother universe come from?
- Again, there are three atheist responses (#a,b,c) above
- #a and #b have been already shown to be irrational
- #c is the Multiverse (which we will discuss in the next slide).

Conclusion

It is **irrational** for an Atheist to insist that
- Our universe came into existence by birth from a mother universe (without God).

The Theist view is more **Rational**
- That God created the Universe

Atheist Objection #C,D

Our universe came into existence
-by birth from a Multiverse (our universe had a mother universe that had a mother universe that had a mother etc...)

Theist Response #C-0

Philosophically & Metaphysically speaking
-There are two completely different kinds of Multiverses

-(a) The Sequentially Finite Multiverse (SFM)

-(b) The Sequentially Infinite Multiverse (SIM)

(a) Let us consider “a” (SFM).

-The Sequentially Finite Multiverse has a finite number of Ancestor Universes (mother, grand-mother, great-grand-mother... etc). So there could be 2 ancestors (of our universe), or 5 ancestors, or 1000 ancestors, but NOT an infinite number of ancestors.

Theist Response #C-0

(b) Let us consider “b” (SIM).

-The Sequentially Infinite Multiverse has an Infinite number of Ancestor Universes (mother, grand-mother, great-grand-mother... etc). So there would be an infinite number of ancestors.

So, we will split the Atheist objection into two, one for the Sequentially Finite Multiverse, and one for the Sequentially Infinite Multiverse.

Atheist Objection #C,D

Our universe came into existence
-by birth from a Multiverse (our universe had a mother universe that had a mother universe that had a mother etc...)

Theist Response #C-0

This gives us:

Atheist Objection #C:

Our universe came into existence
-by birth from a Sequentially **Finite** Multiverse (our universe had a mother universe that had a mother universe that had a mother etc... a finite number of ancestors)

Atheist Objection #D:

Our universe came into existence
-by birth from a Sequentially **Infinite** Multiverse (our universe had a mother universe that had a mother universe that had a mother etc... a finite number of ancestors)

Theist Response #C-0

We will address these objections in turn.
See following slides.

Atheist Objection #C

Our universe came into existence
-by birth from a Sequentially **Finite**
Multiverse (our universe had a mother
universe that had a mother universe that
had a mother etc... a finite number of
them)

Theist Response #C-1

In a Sequentially Finite Multiverse, there is
a FINITE series of ancestor universes.
That means that there is a FIRST mother
universe, which gave birth to the daughter
universe, which gave birth to a grand-
daughter etc...

Where did the FIRST mother universe (come from?)

- There are two possible Atheist answers
- (a) it came out of nothing, with no cause
- (b) it always existed

Theist Response #C-1

- We have already seen that
- (a) origin out of nothing with no cause is Irrational (see Theist Responses #A-1, A-2, A-3)
 - (b) The first universe existing for ever (always existing) is impossible (see Theist Responses #B-2-2)

Conclusion:

Therefore, it is **irrational** for an Atheist to insist that

- Our universe came into existence by birth from a Sequentially **Finite** Multiverse (our universe had a mother universe that had a mother universe that had a mother etc... a finite number of them)

The Theist view is more **Rational**

- That God created the Universe

Atheist Objection #D

Our universe came into existence
-by birth from a Sequentially **Infinite**
Multiverse (our universe had a mother
universe that had a mother universe that
had a mother etc... an infinite number of
them)

Theist Response #D-1

In a Sequentially **Infinite** Multiverse, there
is an INFINITE series of ancestor
universes.

Therefore, to get to our current universe,
the Sequentially Infinite Multiverse must
have crossed an Infinite number of
Ancestor Universes (to get to our
universe).

Theist Response #D-1

However, we have already seen that
(a) It is impossible to cross an infinite
series by enumeration (by crossing
through the series one item at a time).
(see Theist Response #B-2-2)

Conclusion:

Therefore, it is **irrational** for an Atheist to
insist that

- Our universe came into existence by
birth from a Sequentially **Infinite**
Multiverse (our universe had a mother
universe that had a mother universe that
had a mother etc... a finite number of
them)

The Theist view is more **Rational**

- That God created the Universe

Atheist Objection #D

Our universe came into existence
-by birth from a Sequentially **Infinite** Multiverse (our universe had a mother universe that had a mother universe that had a mother etc... an infinite number of them)

Theist Response #D-2

In a Sequentially **Infinite** Multiverse, there is an INFINITE series of ancestor universes.

Where did this entire series come from?
-There are two possible Atheist answers
-(a) it came out of nothing, with no cause
-(b) it always existed

Theist Response #D-2

We have already seen that
(a) origin out of nothing with no cause is Irrational (see Theist Responses #A-1, A-2, A-3)
(b) The entire series existing for ever (always existing) is impossible (see Theist Responses #B-2-2)

Conclusion:

Therefore, it is **irrational** for an Atheist to insist that

- Our universe came into existence by birth from a Sequentially **Infinite** Multiverse (our universe had a mother universe that had a mother universe that had a mother etc... a finite number of them)

The Theist view is more **Rational**

- That God created the Universe

Conclusion

Conclusion

All of the atheist alternatives are seen to be **Irrational**.

The Theist view is more **Rational**
- That God created the Universe

Conclusion #1

It is **Irrational** for an Atheist to insist that
- The universe came into being **out of nothing**, by itself, without any cause (without God).

Conclusion #2

It is **Irrational** for an Atheist to insist that
- Our universe came into existence by birth from a Sequentially **Finite** Multiverse (our universe had a mother universe that had a mother universe that had a mother etc... a finite number of them)

Conclusion #3

It is **Irrational** for an Atheist to insist that
- Our universe came into existence by birth from a Sequentially **Infinite** Multiverse (our universe had a mother universe that had a mother universe that had a mother etc... a finite number of them)

The Theist view is more **Rational**
- That God created the Universe

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 - and if you need any help with that
 - or in how to grow in your relationship with God