

Professor Hinklebottom and the Big Bang

[The “Big Bang” is a THEORY and should be taught as a theory, not a FACT – scene is a lunch time lecture, Professor speaking from lectern, Assistant by his side with flipchart or such like to show long formulas on, Person interrupting is sat amidst the congregation]

Intro: We continue our series of lunchtime lectures here at the Science Institute with a presentation by the famous astrophysicist, Professor Hinklebottom, entitled “The Big Bang: Sorry, Actually Not That Much of a Bang”. So let’s give a big hand to Professor Hinklebottom *[lead everyone in clapping, enter Prof Hinklebottom]*

Prof H: Thank you, thank you for your warm welcome. I’m here today to take you through the evidence for the Big Bang, and I will be helped in this by my Research Assistant, Marcus Peabrain. Marcus, if you would like to set the scene...

Marcus: Our universe didn’t use to exist, and then it did.

Prof H: Precisely! Using the latest scientific methods and equipment

[Marcus holds up a protractor and pair of binoculars and a calculator]

Prof H: and taking into account the standard cosmology model we can calculate that 13.7 billion years ago at the core of a black hole of nothingness what is known as a “singularity” became itself...

[Marcus points to first equation, on a flip chart]

$$F = m_i v_i + p_j A_j + (NH_4)_2 CO_3 \rightarrow 2 NH_3 + CO_2 + H_2O = \text{“fzzz”}$$

Person: *[interrupting from audience]* Professor Hinkelbottom!

Prof H: Yes?

Person: Shouldn’t that equal “BANG!”?

Prof H: I haven’t got that far yet! As this equation clearly shows, first there was a “fzzz”, which was very hot, very dense and very small.

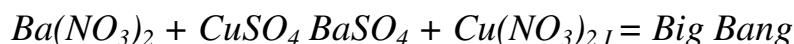
Person: *[interrupting from audience]* Professor Hinkelbottom!

Prof H: What?

Person: Don't you mean very big??

Prof H: If you would kindly stop interrupting I will explain further! Next equation, Marcus

[Marcus gets up equation]



Prof H: Due to the ionic and molecular compounds, entropic expansion and compression rate, after the "fzzz" the singularity cooled and expanded and became our universe. This expansion is known as "The Big Bang"

Person: But there never was a "bang"?

Prof H: Technically, no...

Person: And it wasn't big?

Prof H: *[annoyed]* If there was no bang, it didn't exist to have been big did it?!

Person: It's very disappointing...

Prof H: The universe came into existence didn't it? And the universe is big, very big, so there's your big!

Person: *[interrupting from audience]* Professor Hinkelbottom!

Prof H: What?!

Person: Why did it start?

Prof H: *[regaining composure]* Now that is an interesting and important question! Marcus...

[Marcus puts up next equation]

$$1 - (COR^k - 1)/(k * CR^{(k-1)} * (COR - 1)) + p_t/p = (1 + M^2(k - 1)/2)^{k/(k-1)} = ???$$

Prof H: From the cycle of efficiency and the sonic velocity we can conclude that what we didn't know before we don't know now either!!

Person: *[interrupting from audience]* Professor Hinkelbottom!

Prof H: Now what??!

Person: Are you sure it happened at all?!

Prof H: Using the expanding space-time paradigm we can conclude that we are indeed NOT sure...However, we are quite certain that SOMETHING happened that brought the universe into existence, because it appears to exist with us living in it...That something had what is known as a “First Cause”, then possibly a “fzzz” and a “bang”

[Marcus gets up flow chart diagram, something like:



Person: So, your theory is that for reasons unknown, there was a “fzzz” that grew and grew and organised itself into our universe containing this complex and beautiful planet earth?

Prof H: Exactly!

Person: It seems a bit woolly...

Prof H: It’s not woolly! It’s a serious scientific theory! I’ve built my life’s work on it!

Marcus: *[passing over protractor, binoculars and calculator]* Let’s see if you can do any better!

Person: In the beginning God created the heavens and the earth. Now, the earth was formless and empty, darkness was over the surface of the deep, and the Spirit of God was hovering over the waters. Then God sorted it all out into the universe we now know, and it is amazing. That’s my lunch time lecture! The end! I mean the beginning...