

# BIG BANG

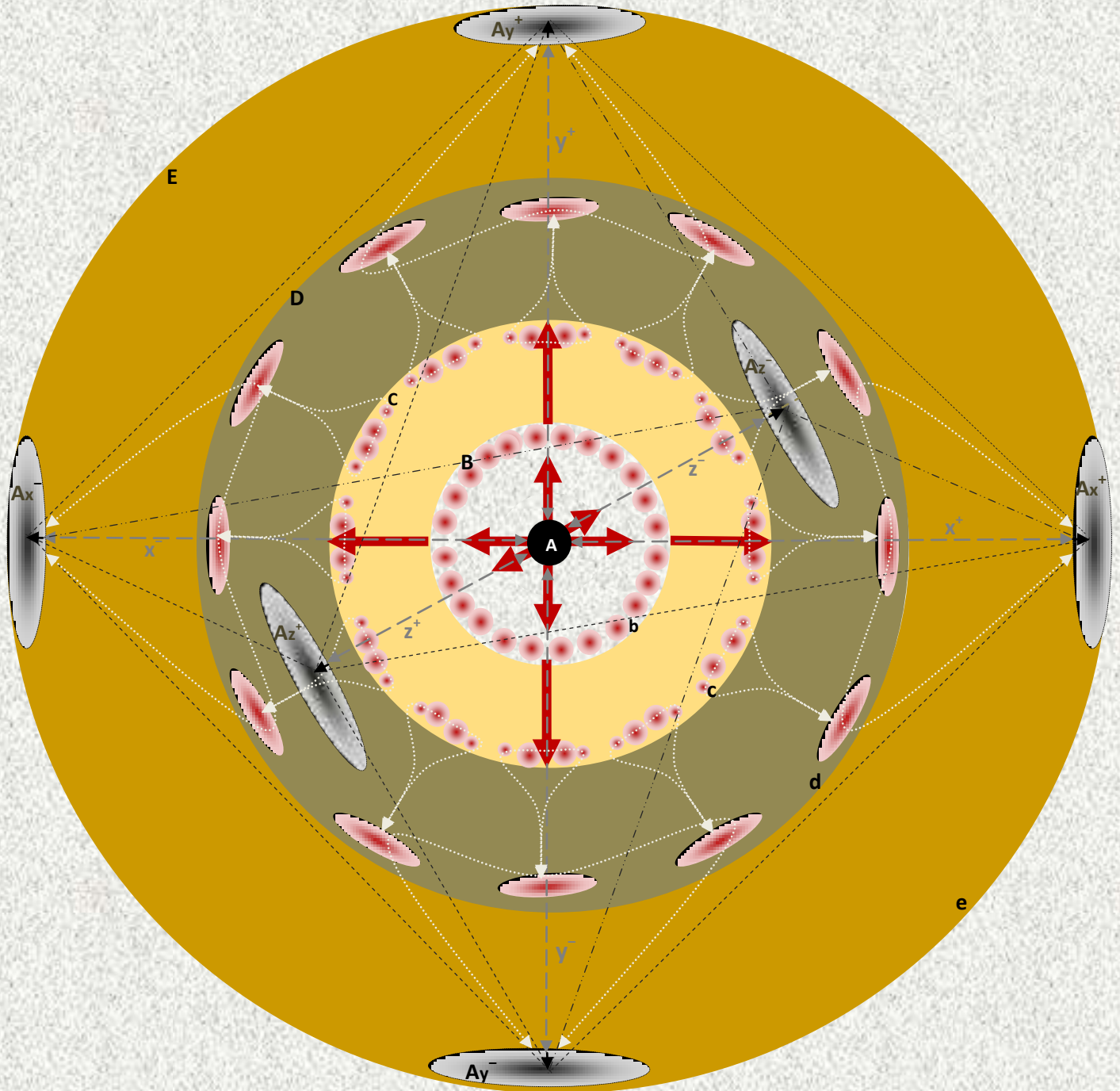
THE MEETING OF SCIENCE, LOGIC AND DIVINE REVELATION.

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**Schematic Cross Section Of A Three Dimensional Spherical Universe**

↔ Inertia of BIG BANG / Axes of Gravity, Time and Space. ↔ Description in PART 2.

## PART 1.

### **Synopsis on Gravity.**

1. **Since the beginning of time people struggled with, observed, and enjoyed gravity.** We enjoy standing at the sea shore, watching waves, seeing the rain fall, water flow, cascade, and plunge into an abyss. Children teeter and totter. But enjoyment turns into hard labor and slavery, the building of pyramids, pushing and drawing of heavy loads. Even eating and drinking, walking and running, everything involves gravity. But it took an Isaac Newton to discover that gravity is not only a force to be reckoned with, but a force that can be scientifically defined, calculated and its reaction can be predicted according to a precise formula: *“The force of gravity is directly proportional to the product of their masses and inversely proportional to the square of the distance between them.”*

2. **The scientific understanding and application of gravity, is very complex.** Though every infant can enjoy it, use and employ it; no scientist can define it. We know what the force of gravity does; but we do not know what it is, or why it does what it does. For example, in the ebb and tide of oceans, every drop and molecule of water is individually affected by the gravitational force of the moon, the sun, indeed, by the collective gravitational force of every molecule and atom in our galaxy, even millions of galaxies, which are so far removed that we cannot even see them. It seems that the force of gravity is a constant force, which automatically exists and exerts itself. In other words, it is infinitely faster than light. If, for example, I lift my finger by one centimeter, or however minute, that change and movement affects the gravitational equilibrium on earth, and any other object in the universe. The force of gravity in some way connects every molecule and atom within my body with every molecule and sub-atomic particle, in the universe, which is a characteristic that historically has been associated only with God.

3. **The origin of the world and the universe is intimately and mysteriously linked with gravity.** The first logical question, which infants ask is “Why?” The desire to know reasons for doing or being is innate. It seems humans are programmed to ask the questions, “Why? How come?” But understanding the origin of the universe has really no practical application; it does not put food on our table (except for university professors and hired theologians). Since there is no physical advantage to be gained by understanding how the universe came into being, the issue is not practical but theological, with two possible options: (1) God created us, and we are accountable, or (2) It happened on its own with a “*BIG BANG*,” and we owe God nothing.” The purpose of this treatise is not to create or avoid conflict, but logically apply scientific facts, because true science is also natural revelation. Gravity illustrates this best.

## PART 2.

### ***BIG BANG*: The Meeting of Science, Logic and Divine Revelation.**

(References to Illustration on Page 1.)

1. **The universe is a three dimensional entity with positive and negative coordinates, x, y, and z,** which allow us to measure movement and to pin point objects in reference to time and space. But time and space are exclusively human terms and concepts, which are arbitrary products of the human mind that are useful in our attempt to explain movement in reference to earth and ourselves. Time and space per se are non-entities.
2. **An immensely compressed substance, “A,” exploded at the axis of x, y and z,** which constitutes the origin of every material substance in our presently existing universe.
3. **As the inertia of the explosion projected fragmented mass into Sphere “B,”** gravitational and electromagnetic forces settled and assembled sub-atomic particles, first into the basic building

blocks of atoms, next into elemental hydrogen, the template and building block of every atomic complex, and ultimately into every element listed on the Periodic Table of Elements.

4. **As the dispersed substance “A” gradually and smoothly expanded to Sphere “B-b,” and beyond,** atomic structures developed into molecular structures, and substances, with inherent gravitational force and fields that they progressively amassed matter and grew into planets, moons, and stars. Initially, planets, moons and stars, three-dimensionally and concentrically, attracted smaller matter, which caused them to rotate on their own axes. As planets and stars increased in size, their internal pressure and temperature changed them into radioactive ovens, which produced and altered even heavy metals. (Physical/chemical law confirms that the energy of making or breaking a bond is equal; thus even earth, which reportedly generates 80% of its own heat by internal nuclear reaction, is a producer of nuclear fusion and transmutation of elements. Meteorites containing heavy metals are likely remnants of stellar or planetary collisions. For an example of one such collision see: [GOD REVEALS THE TRUTH TO YOU](http://acrossroad.wordpress.com/u-will-b/). Sec. 6.1.2.1-12. Link on: <http://acrossroad.wordpress.com/u-will-b/>.)
5. **As the universe continued to expanded into space without inhibition and at great speed,** distance, which relates to gravity inversely proportional to the square, became a major factor. By the time the diameter of the universe increased to Points “B” and “b,” the formerly three-dimensional gravitational pull developed into an almost exclusively two-dimensional gravity, which resulted in the single axis rotation of planets and moons in solar systems, and the concentric disk-like orbits of collapsing stars and solar systems in galaxies.
6. **In the early stages, debris from the BIG BANG was abundant in space.** But as mass progressively aggregated, the gravitational forces of these progressively accumulating objects increased. Moons, planets and stars acted progressively like vacuum cleaners, as they moved through space in relationship to coordinates x, y, z, and in cyclical orbits. Consequently, space in Sphere “D-d,” between planets, moons, stars and galaxies is now virtually empty. Stars, planets, moons now attract relatively small amounts of new material, which allows them to stabilize within the universal equilibrium. Some concentric and elliptical orbits still exist, which is determined exclusively relative to the gravitational forces and inertia of all mass in motion. On earth, side effects of gravitational fluctuations has the greatest impact on gaseous atmospheric strata, which immediately and directly results in warming and cooling trends, irregularities in weather, draught, even ice ages.
7. **In the future, our present-day universe will continue to expand three-dimensionally** beyond Sphere “D-d.” As it continues to drift away from Point “A,” inter-galactic gravitational forces will progressively intermingle and form galaxies, which combine into monstrosly large multi-super-galaxies, whose gravitational forces will eventually cause them collapse, and become a new collective of mass “ $Ax^+x^-y^+y^-z^+z^-$ ,” similar to yet smaller than mass “A.”
8. **As masses “ $Ax^+x^-y^+y^-z^+z^-$ ,” progressively move away from the center of gravity “A,”** the inertia, created at the initial explosion, will progressively be diminished by their constant gravitational pull toward Point “A.” When the force of their inertia will become less than the force of the collective inter-gravitational pull of all vectors between “ $Ax^+x^-y^+y^-z^+z^-$ ,” the universe will collapse, and upon collision of “ $Ax^+x^-y^+y^-z^+z^-$ ,” at Point “A,” a new BIG BANG and universe will be initiated.
9. **However, if one of “ $Ax^+x^-y^+y^-z^+z^-$ ” should be influenced by gravitational fields,** which originate from “Other” universes (i.e.,  $Ox^+x^-y^+y^-z^+z^-$ ) our universe will disintegrate, but more BIG BANGS, some greater, some lesser, will be giving birth to universes, yet to be borne. In fact, this process may have been ongoing from eternity, as it may continue into eternity, and our BIG BANG may have been simply one of many repeat performances, and a combination of Steps 8 and 9.

10. **In essence a BIG BANG is likely a collision of two Black Holes, which collide at such high speed and such violence that every atom explosively disintegrates into its sub-atomic particles, which are subsequently re-assembled by the force of gravity.** On close range, on a sub-atomic level the force of gravity is so great (because the distance between masses, protons and neutrons, is infinitely small) that the collective mass of positively charged protons and neutrons is solidly locked into a unified nucleus of an atom. This locked-in energy is released only: When the atom is split. Thus atomic energy is actually a release of the force of gravity.
11. **The center of gravity of our universe, Point "A," never moved, or moves.** It is the meeting point of an extreme concentration of gravitational forces; yet it presently exists in a vacuum of space and is under no pressure for no substance directly rests upon it, as in the center of planet earth. This center of gravity will never change, unless, Sphere "E-e" will be extended so far that it reaches the perimeter of other universes, whose center of gravity is Point "O<sub>x</sub>," with potential outpost, "O<sub>x</sub><sup>+</sup>,x<sup>-</sup>,y<sup>+</sup>,y<sup>-</sup>,z<sup>+</sup>,z<sup>-</sup>." If that is the case, and galaxies of two separate universes collide, which may presently be in progress, without our awareness, the eventual outcome is too complex to contemplate, or to predict, for it is far beyond any human observation.
12. **Our universe may be compared to an expanding wave caused by a stone, plunged into water;** or to a balloon, hollow inside, and having a thin skin that has been expanding almost at the speed of light. Reports state that our universe is in excess of 13 billion years old; if so, the distance between Point "D" and "d" is approximately 26-27 billion light years. However the speed of light is not a constant, as commonly assumed, because it appears to be constant in our solar system. The speed of light, in the universe, is directly proportional to the force of the explosion (BIG BANG), the mass of photons, and the law of gravity. The speed of photons is governed by the mass, from which it is emitted, and the energy required allowing them to escape the gravity of that mass.
13. **Miscellaneous:** It is generally understood that gravity is a force, but physical work is performed only when movement occurs, which is not consistent with facts. For as the force of gravity exerts pressure, on the surface layers of the earth's crust, heat is progressively generated as pressure increases with each layer. This heat could be harnessed in electric generating stations to produce electricity. Since energy cannot be created out of nothing; it must have an origin: The source behind the energy of gravity can only be God. (For further discussions and examples, see the author's articles [Gravity and Dark Matter](#), and [Saturn's Rings](#). (Link on <http://acrossroad.wordpress.com/science/>.)

### Conclusions:

1. **The force of gravity is the creative force behind creation of the universe,** which holds everything together even the nuclei of atoms. The study of creation of the universe, did not lead us to matter and physical realities. It achieved the opposite: That which we perceived to be the center of the universe, may be only one sub-center of even larger concepts, beyond the measurement of time, space and observation. We over-stepped our limitations; we entered the arena of logical speculation, which is dangerously close to imagination. Yet we are dealing with realities, gravity.
2. **The force of gravity is the closest physical connection that we have with God.** Gravity is not a mere static enigma. It appears to be the sub-atomic force in the powerful, yet gentle, providing and ever-present hand of God, which touches everything, everyone experiences, but which no one can understand. The force of gravity expresses a parallel between natural revelation, and the attributes of God, according to written revelation, the Bible: Infinity, eternity, power and space without limit, and yet ever-presence, perfection, precision and a never-ending future. Nothing escapes God. Likewise, in this and any universe, nothing can occur outside the sphere of gravity. Every sub-particle of every atom is always accounted for. In the context of gravity, the statement of Jesus, *"Every hair on your head is counted,"* is not an exaggeration but an under-statement.

## PART 3.

### **A Presentation On Creation, Based on Biblical Facts And Natural Revelation.**

- 1. Premise and Memorandum of Understanding:** The Bible according to its own definition is a record on how *'God, long ago, has spoken to the fathers by the prophets, and how He has revealed Himself in the Son, the Christ, the Messiah, through Whom He made the worlds, and in Whom He reveals His glory, a catharsis from sin.'* (Hebrews 1) The Bible is not a textbook on creation, nor is it a book of specifications and requirements; it is foremost a record of revelation, which makes it an indispensable manual for living. To understand what God spoke to the fathers by the prophets, we must identify with 'the fathers' and understand their context, historically and scientifically. If we understand what God said to them, we also understand the message, which speaks to us. (E.g., When the Apostle Peter predicts that the elements will be destroyed by fire, Peter is not referring to the elements of the Periodic Table, Peter is referring to air, earth, water and fire, the four universal substances, deemed to be the elements in those days. (2 Peter 3: 10-12) On the other hand, Peter could make a statement *"The earth was made out of water and by water."* (2 Peter 3: 5, Greek ὕδατος), which was both, (1) meaningful at the time, yet (2) its scientific truth could not be fully appreciated before the 20th century. (i.e., the role of hydrogen in the atomic structuring of elements, subsequent to the BIG BANG, and Wet Lab Chemistry. cf., [Intermolecular Water](http://acrossroad.wordpress.com/science/) (Link on: [http://acrossroad.wordpress.com/science/.](http://acrossroad.wordpress.com/science/))
- 2. To arrive at a definitive conclusion, an extensive Biblical study should be made.** Conclusions based on personal opinions, peers, even isolated Biblical references may lead to catastrophically wrong perversions. A study on creation may be found in the author's Book [GOD REVEALS THE TRUTH TO YOU](http://acrossroad.wordpress.com/books-4/), particularly Chapters 1 – 6, God (Link on webpage, <http://acrossroad.wordpress.com/books-4/>). This study illustrates that Biblical revelation and natural revelation complement each other. Theologians would stop doing disservice to theology, if they used a strictly scientific grammatical method of interpreting historical written revelation of the Bible, e.g., [THE ETERNAL GOSPEL: God Will Make You Holy](http://acrossroad.wordpress.com/u-will-b/) (Link on webpage, <http://acrossroad.wordpress.com/u-will-b/>). And scientist would begin to marvel at the truths revealed in the record of revelation, if they dropped their prejudicial attitudes towards anything divine.
- 3. A Closing Analogy:**  
If in our theological and scientific quest for the origin of things, the universe, we reduce the distance to our goal by one half every year, we will never reach our goal, because the atomic universe is infinitely small; just as the universe is infinitely large, far beyond human observation, comprehension, scientific experimentation and replication. Coming to this realization brings us to the meeting point of natural revelation and divine written revelation: *"We know in part."* (1 Corinthians 13: 9) But only divine revelation can bring us to the next level: *"Now we see through a glass, darkly; but then face to face: now I know in part; but then shall I know even as also I am known."* (1 Corinthians 13: 12)

