

The Inescapable Center of The Universe - The Geometric Consequence of an Expanding Singularity

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The Modern Newtonian Framework

The Newtonian Ontology: **Newtonian Physics 2026**

Vector/Scalar Manifold

(x, y, z), t



The Universal Frame
Independent space & time



Euclidian Space *

Space is every **where** from any **where**.

Center,
Distance, Direction

Universal (Absolute) Time *

Time is every **where** the same **when**.

Set of Ages

Mattergy * is $(mc^2)^2 + (pc)^2$

rest mass + momentum derived energy.

Mattergy moves as **constraints** permit.

Mattergy follows the path of least unresolved **gradient**.



$$E^2 = (mc^2)^2 + (pc)^2$$

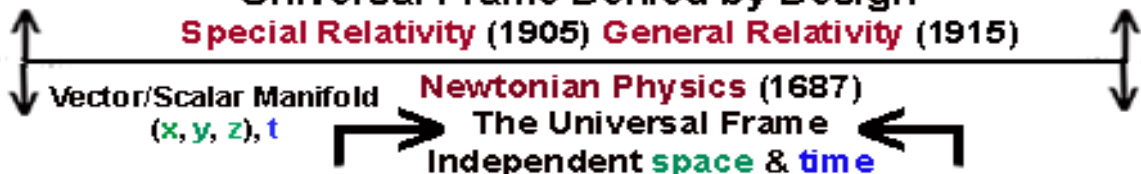
Geometry Introduced as Curvature in General Relativity

Minkowski 4D Manifold (x, y, z, ct)



Universal Frame Denied by Design

Special Relativity (1905) **General Relativity** (1915)



Euclidian Space *

Space is every **where** from any **where**.

Center, Distance, Direction

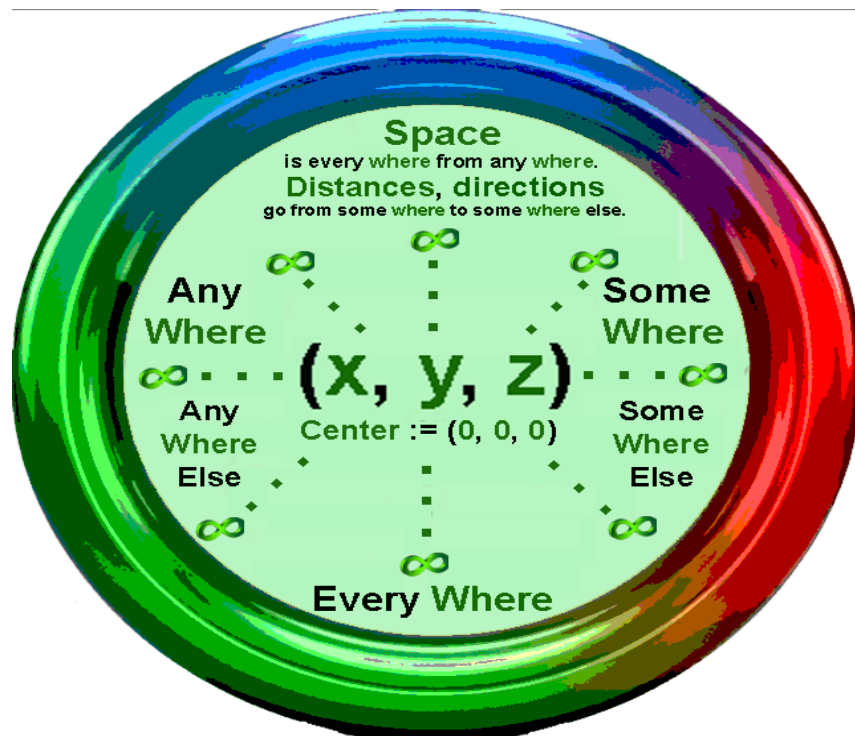
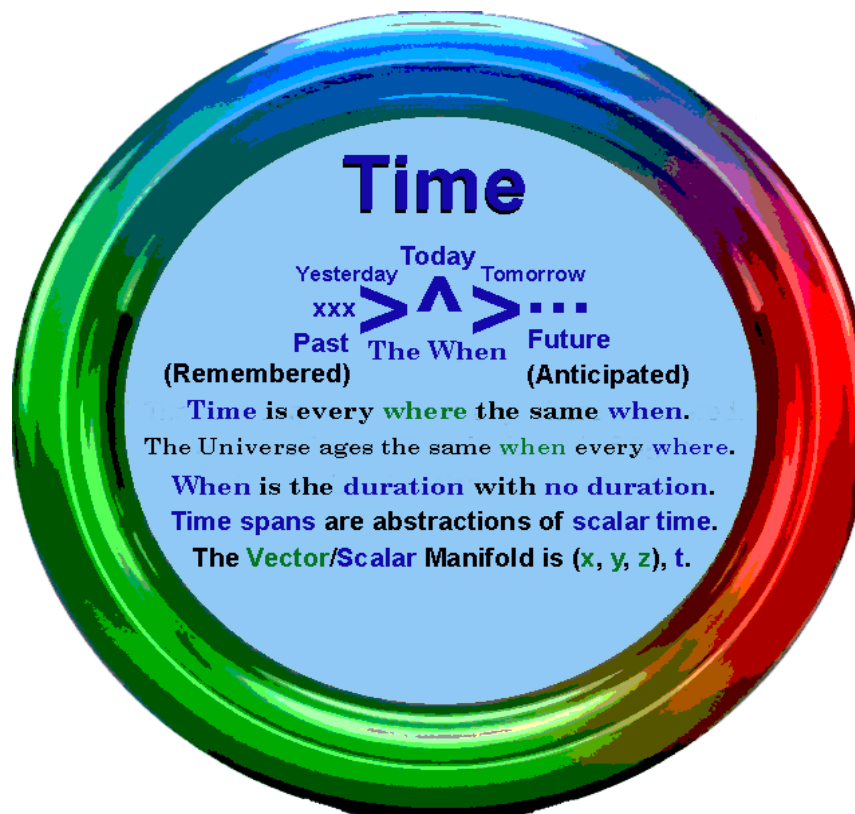
Universal (Absolute) Time *

Time is every **where** the same **when**.

Set of Ages

* - Axiom ** - Axiom Not (breaks axioms)

The Axioms of Space and Time



The **Axiom of Space -- Space is every where from any where.** The axiom of space establishes that the Universe is every where, infinite potential distance in every direction. Euclidian space is isotropic and homogenous. From any where, every where is the same.

The **Axiom of Time -- Time is every where the same when.** The axiom of time establishes that the Universe is every where at once, Universal time. The age of The Universe is a scalar age, every where at once—a universal magnitude from which all durations derive. All ages track along with this one grand magnitude, the age of The Universe..

Relating time to space: Euclidian Space -- Universal Time

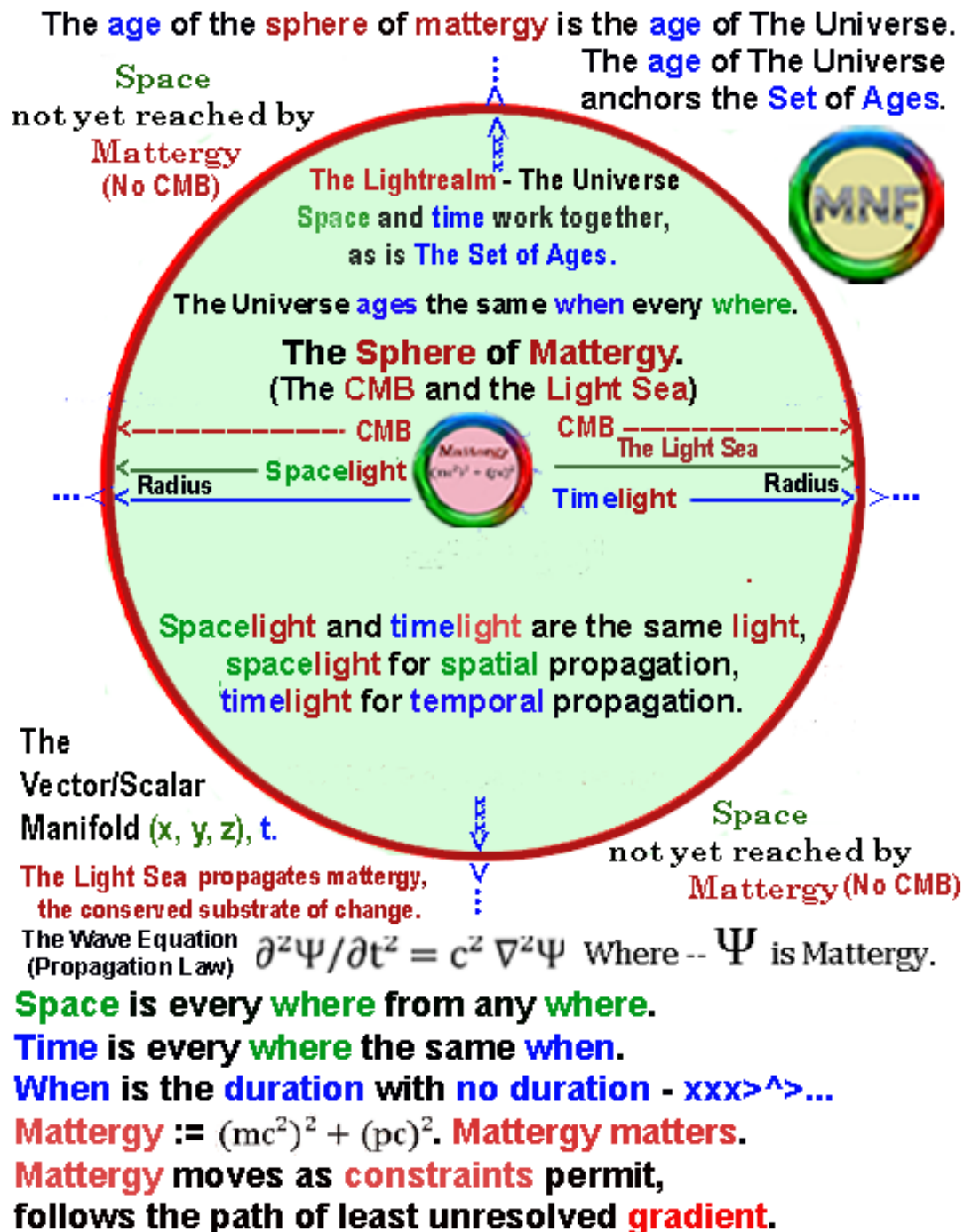
The **when** is every **where** at once. The age of The Universe is **when** to **when**, one **when** to the next, a one-directional accumulated duration. The first **when** begins the **Great Expansion**. The current age of The Universe is from then to today -- recorded history. Tomorrow follows today – the future anticipated.

Durations go from some **when** to a later **when**:

Timespans begin at a particular **when**, end at some later **when**. Timespans are always abstractions — never directly physical. Timespans exist as experience: a second, a minute, an hour, a day, a lifetime. The Universe experiences years in that same sense. 13.8 billion years currently. Timespans are measured from **when** to **when**, yes, but lived through as well.

- Timespans are measured durations as a sequence of continuous **when**.
- Time flows now to future wherever and whenever experienced.
- Time is both measured and experienced. These are separate things.
- The experience of time is always here and now, however measured.
- Time is *lived through experience*. Timespans are kept as abstractions.

The Singularity – A Sphere: Day One to Present Day



Modern Newtonian Framework

The Friedmann Cosmic Sphere



Expansion Rate Equation

$$\left(\frac{\dot{a}}{a} \right)^2 = Aq \rho + C$$

$\frac{\dot{a}}{a}$ is the rate of change.
 a is the scale factor.

$\frac{\dot{a}}{a}$ Expansion Rate
 Aq Universal Acceleration Constant
 ρ Density
 C Expansion Floor Constant

Expansion Acceleration Equation

$$\frac{\ddot{a}}{a} = -\frac{1}{2} Aq (p + 3p / c^2)$$

$\frac{\ddot{a}}{a}$ is the rate of change.
 a is the scale factor.

$\frac{\ddot{a}}{a}$ Acceleration Rate
 Aq Universal Acceleration Constant
 p Pressure
 c^2 Speed of Light Squared

The Friedmann equations are crucial to modern cosmology. They build comoving distance from a sphere in expanding Euclidean space.

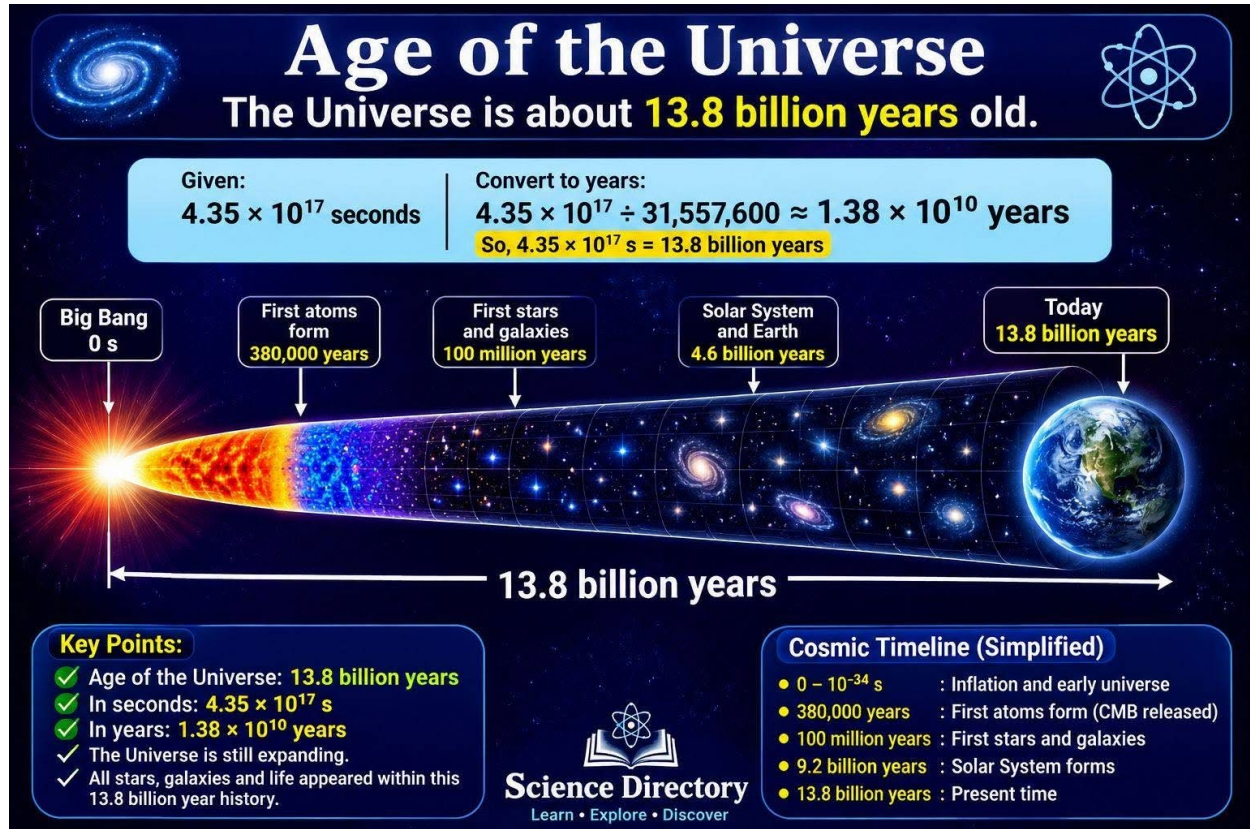
No direction is privileged. The geometry must be spherically symmetric. The equations run backward in scalar time toward the Great Expansion and forward in scalar time to age and size the Universe.

Scalar time runs backward toward the Great Expansion –

Today >> Yesterday >> back 13.8 billion years >> at the GE.

Forward from the GE >> Yesterday >> Today >> Tomorrow >> ...

The Corollary – The Set of Ages



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The **Set of Ages** is an inclusive set of all empirical or abstract durations, from the smallest—the first **Tiny Time**—to the largest, **the Age of the Universe** itself. Every age is a duration that parallels the single scalar magnitude that is the age of The Universe.

The **Axiom of Time** -- **Time is every where the same when.** -- produces a magnitude that behaves in a single, immutable way for all things. This is self-evident: we experience time as a uniform increase in age. My age is a magnitude. Your age is a magnitude. The age of everything that ages is an accumulation of magnitude established by the magnitude that is the age of The Universe.

Concerning Boundary: *The Set of Ages.* (*the set of t*).

The Set of Ages is the cardinality of Tiny Time durations since the first such t .

Let T when be equal to N multiples of the Tiny Time:

Then T is an inclusive, well-ordered set: $T = \{ t_1, t_2, t_3, \dots, t_N \}$

The largest duration in *The Set of Ages* is *The Age of The Universe.*

The age of the Universe is a simple scalar. Tiny Time is the smallest unit-measure.

The Universe is as old as the 1st Tiny Time to today's current when.

The Set of Ages manifests that magnitude properly true

To Prove: The Universe has a center, always so, never not.

Glyphs – Sphere of Mattergy ; Friedmann Cosmic Sphere

Given The Vector/Scalar Manifold (x, y, z) .

- **Given 1: The Axiom of Space, Euclidian Space.**
Space is every where from any where.
Space is infinite potential distance in every direction.
Space is isotropic. Space is homogenous.
- **Given 2: The Axiom of Time, Universal Time.**
Time is every where the same when.
Timespans are durations between events,
before, then, after, accorded any proper unit-measure.
Earlier When, The Event, Later When.
- **Given 3: The Vector/Scalar Manifold (x, y, z) , t .**
- **Given 4: The Universe began as an event at a location.**
- **Given 5: The Universe ages as yesterday, today, tomorrow from the first day to today, another day older tomorrow. (The Set of Ages)**
- **Given 6: The Great Expansion began as a singularity within.**
- **Given 7: The singularity expanded in Euclidian space.**
- **Given 8: The singularity expanded in no privileged direction, moving as constraints permit, following the path of least unresolved gradient.**

Therefore the singularity propagated from a point that could have been any where, must have been some where expanded distance over time in Euclidian space (x, y, z) , t , infinite potential distance in every direction.

The Sphere of Mattergy, the Friedmann Cosmic Sphere.

Proved. The Center of The Universe is $(0, 0, 0)$, the initial singularity.