

## LET ME INTRODUCE A RAD UNIVERSE

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EXISTENCE  
SPACE  
MATTER  
MOTION  
PRESSURE

*If the above fundamentals didn't exist, would the Universe exist as we know it?*

*These above five fundamentals pass this basic test, as realities of, and for, our Universe.*

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### Preface

These writings are an observance of the whole; first. You may not agree with what I selected as the fundamentals... but, you might agree the Universe can't do without them.

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Properties of the Fundamental Elements:

Existence:

Existence has properties of Being, and Duration.

Space:

Space has properties of geometrical design.

Matter:

Matter has properties of Formation, Mobility, and Variability.

### Motion:

Motion has properties of Relocation, Curvature, Direction, and Constancy.

### Pressure:

Pressure has the properties of Force.

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### Existence Corollary:

Being is: either we are... or we are not. It is reasonable to think we are.

*Duration of Existence* is: an ongoing period of existence; that allows Universal natural events to occur. It is not a comparison measurement. There is no relationship of *Duration of Existence*, to a standard or constant. (And, *Duration of Existence* is not time. Time is the relative comparison measure, of actions within the Universe, by mankind, or by devices conceived by mankind.)

### Space Corollary:

Space appears to have specific geometric design. The geometric doubling of radiated distance, and how it relates to the expansion of area, and volume, is an example. We have a classical three dimensional Universe. It is not a two dimensional Flatland. It is not serpentine shaped, or as a vortex. By having geometrical three dimensional Space, there is allowance for things to be, as we know them, and give mankind something to measure, which seems an insatiable urge.

### Matter Corollary:

My definition of Matter: is anything that has Directional Mass.

Matter has a multitude of variable features. It is sufficient here, to relate a few:

Matter can take on all manner of forms.

Matter is never a complete solid substance.

Matter has internal molecular and atomic motion.

Matter has elasticity, allowing expansion and contraction.

Matter is what the Chemists call elements.

I now include light, as Matter.

Light, as well as all matter, has directional mass.

All Matter and light can bring Pressure to bear.

Matter, in general, is mankind, animals, trees, rock, cars, food, water, air, and etc.

### Motion Corollary:

Motion is a property or action of the Universe. It is not a physical entity.

Motion is the displacement of matter from location to location.

At any instant matter is going in some direction.

Motion is relative.

The motion of matter is never stopped.

All matter is always in motion.

*All matter is always in curved motion.*

### Pressure Corollary:

Raising Pressure to a status of one of five fundamentals of the Universe, most probably, will seem absurd! But, don't go away yet. You might be surprised, just how important pressure is to us...

Pressure is the force *Action* of any named force cause.

The force *action* of the force cause, named Electromagnetic, is *pressure*.

The force *action* of the force cause, named Gravitation, is *pressure*.

The force *action* of the force cause, named Strong, is *pressure*.

The force *action* of the force cause, named Weak, is *pressure*.

I relate these concepts with a great amount of conviction and confidence based upon two main features concerning pressure:

1. *All the sensory perception possessed by man, animal, and plants... depends upon pressure to function.*

2. *All motion of the Universe requires pressure.*

Number 1... The mechanics of the ear work on variations of air pressure. A touch to our body; is pressure brought to bear, to give us sensation of feeling. I am not sure, if science has learned exactly how we detect odors, but as I was taught, it comes from tiny particulates suspended in air. Even if the actual detection of the particles does not require pressure..., the air and particles, will never enter anyone's nose, without air pressure, and lungs working with muscles requiring pressure. It is sort of the same scenario with taste. If a sour lemon cannot ever reach your mouth, or be grown in the first place, it can't be tasted. Sight requires the radiation of light, probably pressed, into space, and then hits the rods and cones of the internal eye with pressure. (The rods and cones may use the photoelectric effect, but that is, still pressure, kicking electrons loose, with specific frequencies of light that are synchronous with atomic activity.) And, it takes blood pressure in muscles, to even open our mouths and eye lids. And, without motion and pressure our bodies cannot function... there would be no life. If mankind cannot sense anything, how can we read test results, or make observations, or listen? There would be no communications without pressure. There would be no manufacturing. How could we measure?

Number 2... *The Universe cannot exist without pressure...* Anything radiated as particulate, or wave is emitted or generated by pressure. It is highly unlikely that light in all its frequencies, is sucked out of matter and attracted across the Universe. (In truth suction is only a differential of pressure, and attraction has never been shown to exist; and items that seem to be attracted are only measured and calculated with, and as, pressure.) *All measurements require pressure, to be accomplished.* Measurement requires *force actions* of measurement, and *force actions* to convey the resultant information, which use pressure. These actions of measurements are either of mankind, or machine of mankind, which also cannot function, or be manufactured without pressure. And any communication cannot be accomplished without pressure.

Give this subject some thought \_\_, there's more...

*Without pressure there would be no Motion in the Universe...*

If, as now generally presumed, there was a Big Bang at the beginning of our Universe... Without pressure, there would have been no Bang! Likewise, there would be no following expansion of the Universe... There would probably be... only darkness...

*Since the very existence of the Universe and mankind, and everything we know \_\_ requires pressure \_\_ I ask you... How important is pressure?*

A simple definition of pressure is the actions of one body of matter, by nature of its direction of motion, attempting to occupy location of where another body of matter is already located.

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When billiard balls impact, when a bullet is shot, when a tree falls, when we walk outside, when a plant grows, or cows moo... there is fundamentally only Existence, Space, Matter, Motion, and Pressure. All else is just features, properties, or variations of these fundamentals. We, mankind, have all sorts of names for these additional attributes... some of which I will relate herein...

In technical strictness the whole Universe is in total curved motion. By definition of *acceleration* (a descriptive word for motions)... all bodies in curved motion are in a state of accelerated motion. Thus the whole Universe is in a state of accelerated motion. There is no exact true uniform motion. In physical strictness there is no fixed location, no static state, no exact standard, no exact time, and no exact measurement.

But with total acceleration in the Universe... however great or small... all matter is always being acted upon by force. *And this force action is pressure.* As the Universe moves, the directions of motions change. The values of the forces in various directions change... but all the ingredients that constitute the Universe remain the whole sum of the Universe, and this is why there is always a balance maintained.

Mankind came up with the concept, and name, *work*. The concept of work must have the Universal fundamentals I have named above. These fundamentals are all that is truly required. Work is being done naturally by the Universe without any intervention of mankind, and has been, since the beginning. The five Universal Fundamentals I listed above; are truly all that is needed. If a blowing wind, including dust abrasive particles, erodes a rock cliff... it did not require design, calculation, measurement, or time...

We have many names of items we give descriptions, such that we can identify; and explain features, forms, events, and or actions... of the Universe. We say bodies have Inertia. Matter doesn't *have* inertia. Matter has specific motions, with pressures, in specific type forms, and sizes, that when interacting \_\_ change motions, change pressure,

change directions, change locations, change sizes, change rates, and etc... Matter has some features we named, and relate to as inertia. There are a multitude of variable features, we name, of the Universe, most are in some manner of activity, that are natural for the Universe, *but the basic ingredients remain the same.*

The Universe does follow, or has specific rules that it follows, and these rules govern what, where, and what way all manner everything will occur.

With the enormous size of the Universe, that has an infinite number of directions things can go, and matter of almost infinitesimal sized particles, that can be shaped, moved, stretched, poured, pounded, and etc... Universal potential is almost infinite. All that is needed is five fundamental Universal realities with enough universal variable abilities, and properties.

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What else is there? I can't explain exactly, how all things occur. But, I can explain why: "I can't explain all things". And, I can... explain what constituents make up, any, and all, things; by only using Existence, Space, Matter, Motion and Pressure, and their properties.

Lastly, alas, what I cannot explain... is imagination. But, I can explain, that without the Universal fundamental realities of Existence, Space, Matter, Motion, and Pressure... there would be no Life, and no Universe... to imagine!

Imagine that,  
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