

## Logic Leads to Understanding = Knowledge

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### ABSTRACT

A baby life starts by their seeing and feeling. Later one learns about people in the family and the home. The learning gradually grows from the neighborhood and local areas, including schools. Learning expands more distant to regions, counties and states that define locations. With school, one's knowledge extends to countries, people, history and the whole world. Knowledge grows by finding facts, by reading and experiencing. Learning about space is different, we aren't there. Knowledge comes from theories. The overall view of space can be found to be incorrect and needs total change. In 1543 - Copernicus switched the center of orbits to travel around the sun instead of around earth. Today the current model of the universe is distorting knowledge about space and blocks our ability to understand the real universe.

Astrophysics is overviewed by a wrong cosmology! Here I provide quick steps that reveal reality. I explain correct views and point to current errors are spread around Astrophysics!

### THE NATURE OF SPACE

Recognize that We are attached to our planet by gravity. There is a downward pressure that holds us here. Weather analysis uses measures of the downward pressure. But we have been told that gravity is 'pulling' us down by gravity. Why do we accept that we are being pulled down, that pull is not a function within physics. (error 1)

The moon is an example sphere of space that doesn't drop to earth. No other spheres drop either. Being spheres, all space bodies resist departing. They remain out in space. They need a pressure keeping their spherical shape intact. All bodies receive downward pressures throughout the body 7.!

Current "attraction" gravity has been considered due to a pulling of bodies. Attraction gravity confuses understanding of physical things. By inverting the concept to pushing gravity clears up much of physics. A key part here is the idea that beams flow throughout space and push all bodies. Gravity beams come from all spherical directions and pass thru all spatial points continually. All points of space receive the gravity beams continually. So the theories of Newton and Einstein claim 'empty' space or others claim aether to define space. They are wrong! Space has a physical characteristic and exists continually. Gravity beams from all spherical distances push all sides of you, keeping you together. Pushing gravity is a force that holds space bodies together in spheric forms.

Particles are a constant in math formulas while beams are not given a measure. But both particles and beams move and must similarly cause pressure. (Error 2). Beams also do move like particles. Light beams are obviously flowing from the sun, flowing similarly in all XYZ

directions. All space bodies beam away light proving their existence. We have space that defines all of the universe. (Error 3).

The beams of space are everywhere including within all matter. Everyone misses that logic. How do beams stop or rebound when they hit sphere surfaces? It doesn't stop! Beams flow at one velocity in space while it crosses matter surfaces and continues flowing slower when it enters and flows within matter. All the internal beams flow and soon exits at some point. The internal flow is a push 'up and out'. Internal flow is weaker than the push of external 'down-coming' beams. At the surface, the up vs down push directions meet and the 'NET' result is the difference of the down push vs the up push. The net result, we tend to call it 'gravity'. (error 4).

### **GRAVITY**

What mankind called gravity is really a 'Net' downward pressure from spatial beams. The term 'attractive' as a pull confuses all the views of gravity. (error 5). Now, thinking of gravity diminishing within matter, we realize that gravity affects matter while matter can affect the flow of beams. The heat and light within matter are increased while the push of gravity is being modified. It can be slowed and even redirected by matter of incoming or exiting beams. Later, we can modify or even eliminate gravity at a point.

We will consider redirecting the 'exiting beams' first. (error 6). Earth rotates. Rotation at the surface of earth must slightly redirect the exiting beams as they head toward space. The beams flow up quickly and a bit sideways due to our rotation. They become curved beams.

If we send beams to some point, we must attend to the orbital motion of the target. Since the target moves, we must aim the message to ahead of the observer's flow. Consider some beams headed toward the moon. This flow will hit the moon just behind the moon flow in its orbit. It's not a straight line from earth. It's like the beam hits the moon at say, a 5 o'clock point. The beams were curved as they hit the rear point and the curved beam pressure will then help push the moon 'along' in its orbit. (error 7). A second revelation is that the push direction causes some beams entering the moon will also push somewhat 'up' to create a rotation of the moon itself. Similarly, the beam flow from the sun to earth pushes us on path and also rotates our Earth daily.

An error by Newton was, he wanted an earth beam flow to cause moon's orbit, but he didn't recognize the curve of the beam flow. He finally said space was empty allowing him to define the moon's path flow as an infinite motion. (error 8 infinite motion is impossible). So, Newton's contribution to orbiting was simply his formula of downward push upon the moon toward the earth. As he needed a flow source, his answer was he needed 'no friction' to continue the path flow, infinitely. (Error 9). We really need discover the 'driver' for all orbiting paths!

### **THE SUN AND SOLAR SYSTEM**

The sun is affected by (gravity beams) just like earth is. Being much larger, the slowing of the interior beams would be much more due to the size of the flow and the density of the sun. The interaction of the incoming beams vs the exiting beams at the sun surface is much more

than at earth. The sun increases 'in flow divided by external flow'. Notice, we realize now that the NET action is greatest at the surface! That means the surface is where the 'out' beams and the 'in' beams crash their maximum difference. Thus, the surface of the sun, the earth, and of all spheres, is the most dense and heated at the surfaces. (error 10). Physics recently agreed with that.

We know of the downward 'net pull' of the sun upon earth. Note also that the sun rotates in about 22 days. The revolution of the moon to the earth was about 29 days. Anyway, the beams exiting from the sun flow to earth in 8 hours. Then continue onward toward all close in planets. The curvature of the beams, caused by the solar rotation, is sufficient to create the orbital path for earth and for each planet. A relationship of distance vs times finds that the further distant planets incur less sideways push, so the planet's orbit the sun more slowly than closer planets such as earth.

For the equator of the earth and for the sun, the interchange of the down beams and the exiting up beams, incur most rotation action at the equator. Higher tilt, of surface, where the rotation is slower, means that curved beams exiting the sun at higher tilts, will create less impact upon distant paths in space. (error 11). Beams exiting at the sun equator generally support the planets paths residing near the equator. Beams exiting from the higher tilts give less action or swirl to that space. Thus, more planets of the solar system couldn't be created as the incline of beams that exited the sun, received less solar spin and thus less creation ability. They are sloped way too much, (ie. for 15 to 90 degrees into space) to build planets there. Thus, the viewing of the solar system planets in diagrams, show them to us on paper as a 2 dimensions picture.

### **SPECTRUM – FINITE, OR INFINITE UNIVERSE**

Current physics considers the universe to be finite. (error 12). Their basis arrived from the Doppler idea that a sound source from a train moving away lengthens the audio frequency to the watcher. Therefore, in physics, spatial light beam frequencies would appear lengthened to receivers with the source moving away.

First here we explain red shifts. There is a range of beam speeds in space, and often the beams have wave lengths to identify them. There is a spectrum of all possible wavelengths which includes the light colors and other actions of the central spectrum. Often the white color frequencies are central. If white frequency beams slow down there is a redshift change of frequency, a stretching of length, = lesser frequency of the waves. A blue shift is shorter waves, ie. higher frequency, where the wavelengths come faster than expected. The light frequency describes velocity of the beams, faster blue or slower red.

Extreme lesser frequency even becomes dark as microwaves or even less. Strangely the infinite universe people claim microwaves are often define their big bang point that created the universe. (error 17). Really, the microwaves actually arrive from every direction originally as light beams. Their beam's velocity over extra-long distance is just stretched star light. Stars exist everywhere! It's just that we can't see most of them. Learn also, this fact that light slows over time due to the continual source gravity drag is slowing the light, ever so slowly.

### **Here Follows, the Doppler Shift that has Mislead Physics for a Long Time**

Stretching light beams frequency converts the white light to red shift light or even beyond the stretch. Frequency is that the light source moving away can cause frequency red-shifting to the receiver. This step seemed to be found by Einstein's idea of increasing the space for his expansion percent. Years later, measuring the longer frequency redshifts found to cause them be greater when the star is further away. That leads to accelerating motion away from observers in the universe. So the universe is expanding (nonsense). (error 13). The extension of these ideas lets physics dream up the Big Bang theory. That model lets students create claims and define actions at the various places at edges of the universe. (error 14).

### **Reality is that the Light from Stars will Redshift when the Star Moves Sideways (Perpendicular)**

Stars all orbit all other orbitals, so orbiting is the cause of redshift. All bodies revolve around all others and 'that' is the real cause of red-shifting for all stars. It then becomes 'logical' that most of the spatial redshifts are caused by the revolution around us, and not from some speeding away from us by all things all the time. The universe is not growing, but remains 'infinite'. The big bang has to be an insult to physics itself. When does it end? Even now our antennas extend our seeing beyond the theoretical distance to the beginning point of space.

### **ROTATION, GALAXIES, AND BLACK HOLES**

Our sun controls actions within the solar system. All bodies within the solar system rotate. In all cases the larger bodies rotate and apply some of their rotation to push the smaller local bodies to revolve around. Since all bodies rotate, they all apply pushes upon all other bodies. Even the planets push upon the sun. The result is minor and rarely considered. The actions upon the sun are more important if we consider outside from the solar system to a larger neighborhood, often called a galaxy. We are within our galaxy and the nearby 'star' is our sun. Our sun interacts, maybe trivially, with other nearby stars. All suns rotate. Since both bodies must rotate, each one must have influence upon the other. If the bodies are similar to each other, they each push the other sideways while attracting each other. You might think that each star rotates the other but actually two similar spinning bodies will rotate around a central point that is not within the bodies. The point is called Barycenter, a concept seeming to be remote/ignored to physics. (error 15).

Space everywhere is reality. They call it black matter and it's everywhere. To me, all of space is beams. It's the barycenter region that I draw attention to, as it gets black matter stirred up by 2, or more stars, with competing spins. The closer the suns to each other, the more intense spinning is caused within the curved interactions. If our telescopes detect the rotating, we define it that it is matter and thus this is the 'dark matter'. (error 16). Expanding the idea, consider what happens as other stars in a galaxy provide some rotation to the 'central' point. The point begins to seem like spinning empty matter and a stretch of the space. In the extreme, there has to be some specified of center to a galaxy spun by a million spinning stars. At that point the sum of spins creates a 'black hole'.

This assumption is that the galaxy is a mostly two-dimension plane collections of stars. Recognize that, any views by our telescope from above or below will be unable to fully reveal and observe the black hole and it's spins.

### **RECIRCLING WITHIN INFINITY**

Can the infinite beams in my universe ever gain or lose the beams that structure the universe? What happens to the sum of all beam frequencies in the universe. Since beams are somehow slowed when they are within matter, the frequencies become higher. But, when beams flow across space their frequencies are diminished as a result of the stretching of the beams. Those 2 activities offset the original total frequencies.

Early on I couldn't understand that there is a time or point when a space ship, or even a beam of light or of gravity, passes some point that ends/stops the gravity pulling toward earth. But there is no such point. Whatever, 'useless' gravitation pulls back throughout on beams nearly infinite time and growing distance, so some 'useless' amount always exists. Upon an arrival of light somewhere must contain some clue of the travel. I got locked in how to describe the journey of light for example. Since the source must pull backward on the beam they sent, so must there be a pull forward by the observer receiver's body. So the whole flow during a first half of the flow must redshift and then a blue shift pulls during second flow. A fact that earth is the receiver of flows shows a blue shift upon the arriving beam from nearby space. The Pound Rebka experiment proves the arrival part of the flow by proving via a beam sent from a space ship to a tower.

The result is that light/gravity beams gradually stretch during travel through empty space. This is offset by when beams are compacted during pass through matter and form or create heat and light.

### **ELECTRONS - MATTER**

Understanding gravity and beams leads from space to matter via the chemistry process. The electron is the focus point of all matter. The measure of electrons is assigned the weight of 1 because they become particles. The electron takes part of its original existence, the beam, and separates its neighborhood of space to create the other parts as accumulated beam space into matter.

Assume waves that flow from left to right on a paper. Our picture starts by drawing 3 waves (1,2,3) as up and down circles next to each other, all adjacent waves nearly touching each other like slinky 'circles'. They are rounded at the top and open and continuously attached to the neighbor waves at the bottom. This standard picture of waves and would continue forever if there is no interference with the beam. What can interfere with radiation?

The curving of the central beam would cause the wave peaks nearest the gravity source to lean backward toward the following adjacent wave. (For ease, consider the peak to be the top, as the beam flows near the earth). The mass of earth causes the bend of a wave to be toward the wave that precedes it. Waves have altitudes perpendicular to the beam flow and somewhat parallel to other waves. If the beam curves, due to gravity interference, a wave's altitude will not be exactly parallel to its prior wave. Draw another wave - #4 and assume the bend due to the earth is quite extreme. This bend backward might cause wave 4 to touch or overlap the prior beam 3 at their peaks.

The original waves extended to their altitude perpendicular or by 90 degrees. If a bend occurs when a next wave (4) we draw arrives, that beam might bend back slightly so the wave might appear to angle toward peak by less than 90 degrees. Perhaps that bend is sufficient to cause wave 4 to touch wave 3. The flow is going up the newest wave (4) and down the prior wave (3) at point of contact. What we have is a spin due to two opposite flows intersecting. It suggests some electrical existence.

Electrons are simply crossings/intersections of wave flow!

Following are pieces of the process. Matter creation: The Nobel prize winning physicist who defined the atomic structures Neils Bohr. He has assigned orbits and distances to electrons within matter leading to the periodic table. The placement of electrons was batched within shell groupings. Turns out that we can find shell groupings, this work leads to the idea of creating matter from EM radiation. We have already supposed that wave flow and gravitational bending creates electrons. If you have electrons, you have matter. Gravitational bending is most likely to occur near a mass surface and will be lesser when the radiation flows distantly, higher in the atmosphere for example. The gravity action on EM beams in Earth's atmosphere causes mass creation there to be constantly recreated. This idea extends to the mass surface where more complex matter is involved. 8. Shells (KLMN) So far, we have formed 2 electrons by interacting 2 adjacent waves. The Bohr electrons orbit the nucleus within increasingly distant shells. As the more electrons are included in matter, the further they reside further from the nucleus There are shells and subshells. The first Bohr subshell is to contain up to 2 electrons which we have identified. Now what happens if the bending backward by wave 4 extends to the next back wave 2 and thus wave 4 intersects wave 3 and wave 2. The upward flow (outline) of our bent wave 4 must cross both sides of wave 3 and being so close will probably cross the down flow of wave 2. The downward flow of wave 4 must re-cross the same flows to return to complete its wave. That is 6 crossings, 3 of each spin.

The curve of beams is a key of our existence. I have explained how some limited curves cross themselves and create electrons which creates matter. Picturing all curve components limits us to simple curves and few crosses. The gravity push upon beams causes the curves. There are too many stages of beams and gravity to discuss of the local quantity of gravity, the direction of flow by interacting beams, and the beams meeting existing matter.

A number of my electron papers in the GSJ journal do seek answers.

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