

Time is the fundamental entity that puts real into our reality. Mass is the past, our anchor in time holding us all relative in space-time. Space is the present moment we all share while the force of gravity is all of us dilating into the future.

Time is both the largest and smallest common denominator of reality, the only entity that preceded big bang and will outlast the universe, a fundamental entity without beginning or end. Time is what a clock measures and all clocks may only count their own existence as a clock, leading me to think that time is how we count existence. I live in an 80 year old house, I drive a 17 year old car, and the visible universe is about 13.7 billion years old. The trouble with our view of time is that we only see the past, being the observers that we are. The good news is we all exist at the same time, as GPS shows us. Yet the twins, from Einstein's experiment, can have a very big difference between their clocks. Both still count their own existence one second at a time; it is their relative presence that has changed. One twin's frame of reference ticked along with all of ours on earth, and the other twin's frame of reference stretched in space/time causing his clock to tick at a slower rate than the other.

What is the present? Does emission happen only in the present? Is the present static? As an observer, do I even see the present or am I always processing the past? The beginning of a second until the end of a second is this our present? It is our consciousness' ability to keep up with the photons that give us the ability to measure a second even if we perceive it after the fact. The leading edge of my one second frame of reference, as I see it, is the focal point within my eyes, with my consciousness centered just a little behind this and my actions even later. My conscious awareness of my one second frame of reference, a view from the center back in time, is what allows me to see the flow of time. Using a clock is how I count this and it is my mass that anchors me in it.

I think I see emissions out there with space in between, but it is still just an image within my eyes and the difference in time between emission and reception or the age of the photons should not be discounted. The pseudo emission point or focal point within my eyes is tricking my brain into seeing the entire image formed from a kaleidoscope view of different photons

emitted across different moments as having happened as a single time and as a static image. When you take away this focal point you get a blurred image, a blur of motion, as everything is dilating into the future. Space as the time between massive objects means farther out the further back from the present we are seeing.

I see dilation everywhere, the road sign increasing in size as I approach, the road I drive on dilating out to meet my tires, as we move closer to each other we appear to dilate until we are face to face. This is as close as we can come to a shared present and our clocks will tick at the same rate. The only time I see an object dilating is when I am moving, changing my view of the past. Does this motion stop when I do, I don't think so for we still measure this motion of dilation today with our accelerometers. Think of it as only a force that does not stop just because I do but at some level it is a relative motion. The reason we see objects contract as we move away is because we only see one direction in time no matter the direction in space you are looking. Two objects not being able to occupy the same space at the same time has more to do with being separate parts of the same time, than it does with separate parts of the same space.

Think of the little twist in time we call big bang as a white hole, a focal point of expanding energy, all energy moving outward from a point, one motion with one direction from a single point in time. Take this dilating focal point and break it up into pieces, each a focal point moving in the same direction, outward from a point, and all ticking as one. Not an explosion yet a view of inflation at a time when every little part was repulsive, pushing its neighbors away and the beginning of a time between these points of dilating energy. One hot dense state that today we still measure its relics as having mass with different densities. This break up is why we have an outside view of a single event made of billions of particles, yet only one view back in time as we look from inside ourselves out in to the world.

Looking back through time the way we do, may make gravity look to be an attractive force. We still measure the force of gravity as an outward acceleration from a center of mass, think of the skydiver's view while free falling – it is of the Earth dilating out to him. Every single thing we can interact with pushes back with this same motion. Consider a tesseract and visualize it as a

motion, as if it is a 3d cube dilating. We only receive signals emitted from the outside hence we will never see the dilation but we are able to measure it with an accelerometer. Apples falling down to earth from the tree and the earth dilating out to reach the apples, equal in the eyes of the beholder, but stuck in our minds as the first because we do not see the dilation of matter in space even though we do measure it in time.

The variation of our clocks shows us that it is time that is warped not space. The longer our second the slower the tick rate of our clock. The deeper into an accelerated frame the longer our second is as well. You see the same effect the faster you go slowing your passage in time the greater your motion in space. We do not slow time by increasing our motion, so much as we exist a little longer in the present, as measured by our mass increase with velocity, or moving deeper into a gravity well becoming a part of a bigger mass. Mass as the past makes me think the more mass the longer we are held in the past the longer our present lengthens. Do not let your memories of past events blind you to the fact that time, as measured by a clock, is tied to the clock and its relative surroundings not what we remember, because the past is always relative in the present. As far as I can see there is no center to the universe in space, yet we all understand that we are connected by the center of our mass, and it is this center connection that is continuous back to the hot dense state we call big bang. Our view from the present back, keeping in mind that the present is the center of the past and the future, is the same center connection we all feel. Being a single part of space/time I am centered in time in the present, and at the center of my visible universe. This is true for any observer out there in our universe we can all claim to be the center.

In my mind we have a gravitational aether and it is called time. I do not see space as a void but as time. I can see that book 10 feet across the room from me but I know it is 2 seconds away in time for me to pick it up. The moon, less than 2 seconds from me via a photon, maybe a month trip for a tourist in a few years, but for me I will never get there, making space just the time between objects. Space is the illusion that makes you think you are looking out in any direction other than back in time.

All of the energy from big bang exists right now, at one time still in phase as it is dilates into the future. Dilation is a property of mass, the relative motion in time that we just do not see unless we are moving in relative space. We as observers are the leading edge of time but looking back from our center, each with a different view, makes it appear as if time is an illusion when it is the fundamental entity that counts our own existence.