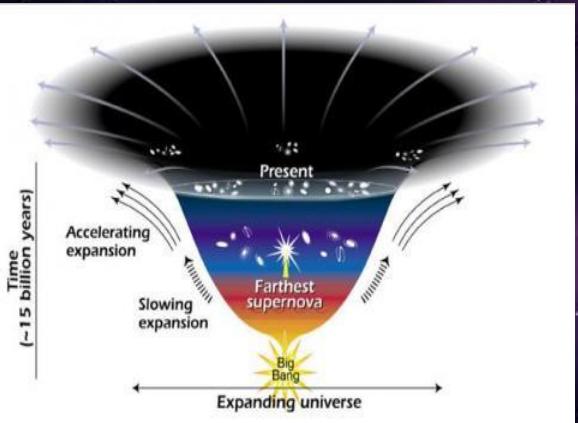
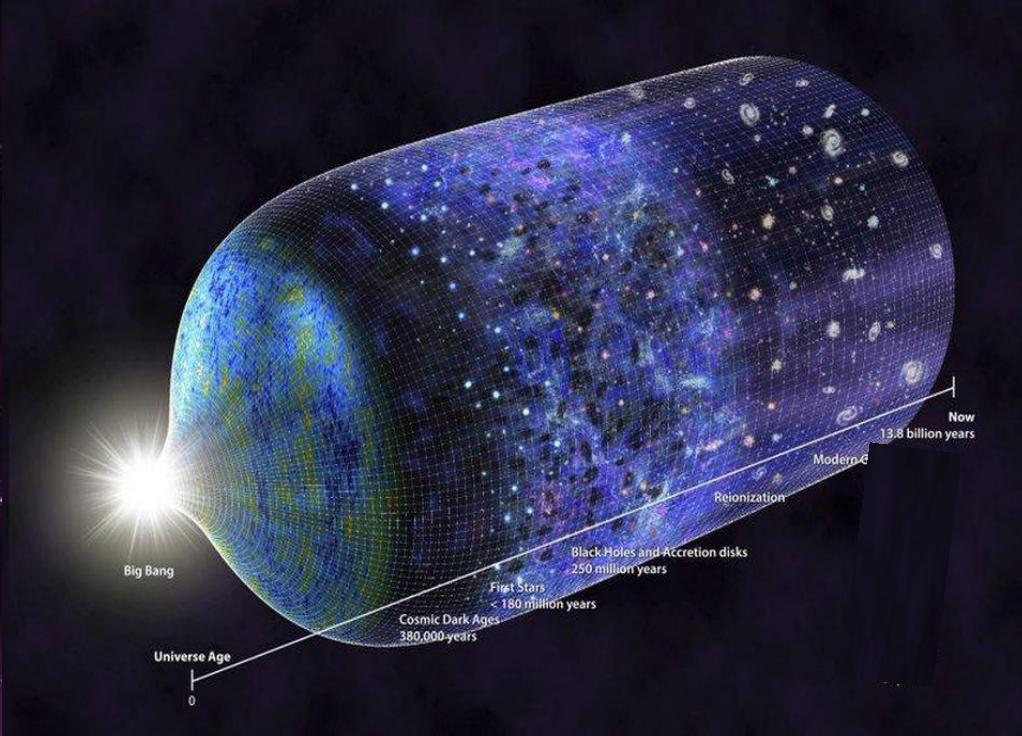


Dark matter is the stuff that allows the galaxies to exist. Dark matter is dark meaning It emits no light and cannot be seen directly, so it cannot be stars or planets
 Astronomers cannot see dark matter directly, but can study its effects. They can see light bent from the gravity of invisible objects . They can also measure that stars are orbiting around in their galaxies faster than they should be.

It turns out that 68% of the universe is dark energy. Dark matter makes up about 27%. The rest everything on Earth, everything ever observed with all of our instruments, all normal matter adds up to less than 5% of the universe. Come to think of it, maybe it shouldn't be called "normal" matter at all, since it is such a small fraction of the universe.



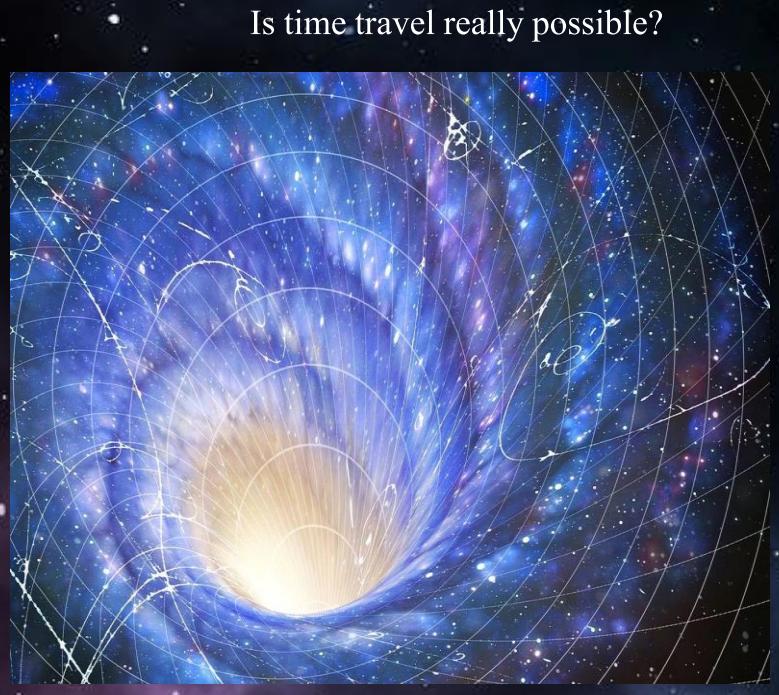
In the early 1990s, one thing was fairly certain about the expansion of the universe. It might have enough energy density to stop its expansion and recollapse, it might have so little energy density that it would never stop expanding, but gravity was certain to slow the expansion as time went on. Granted, the slowing had not been observed, but, theoretically, the universe had to slow. The universe is full of matter and the attractive force of gravity pulls all matter together.



DARK MATTER

The familiar material of the universe, known as baryonic matter, is composed of protons, neutrons and electrons. Dark matter may be made of baryonic or non-baryonic matter. To hold the elements of the universe together, dark matter must make up approximately 80% percent of the universe. The missing matter could simply be more challenging to detect, made up of regular, baryonic matter.

Although dark matter makes up most of the matter of the universe, it only makes up about a quarter of the universe's total composition. The energy of the universe is dominated by dark energy.



Is time travel really possible?

Yes, it is possible to time travel General relativity also allows for the possibility for shortcuts through spacetime, known as wormholes, which might be able to bridge distances of a billion light years or more, or different points in time.
 Many physicists, including Stephen Hawking, believe wormholes are constantly popping in and out of existence at the quantum scale, far smaller than atoms. The trick would be to capture one, and inflate it to human scales, it would require a huge amount of energy, but which might just be possible, in theory. That's where the dark matter comes in dark matter can be used as that source of energy to control the wormhole which will let us manipulate it and potentially time travel.

