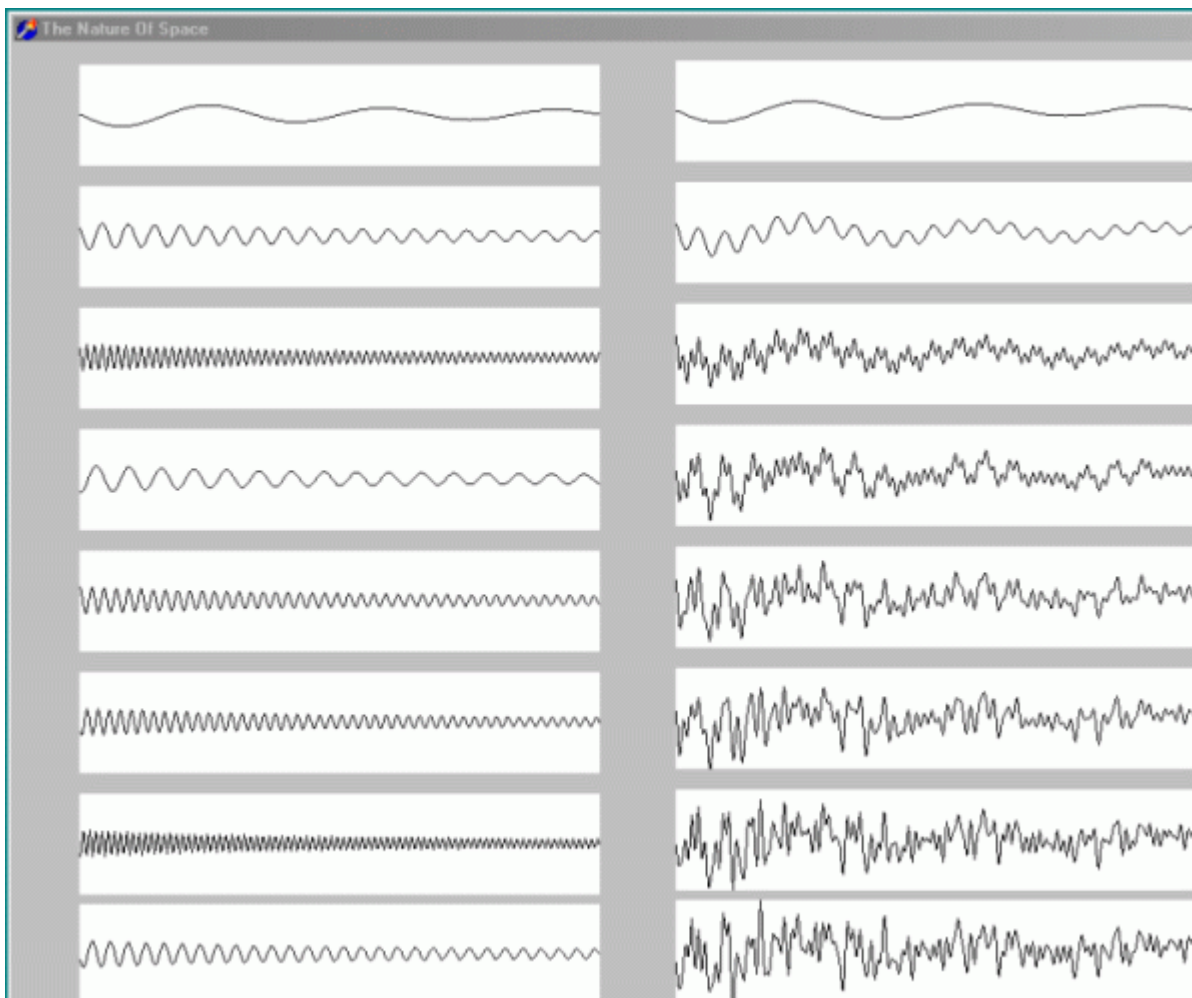


Space, Black Holes and the Edge Of The Universe

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declan@netspace.net.au

Every solid object in the Universe is comprised of particles, and particles can be thought of as three-dimensional standing waves. These waves extend into space far beyond the classical boundary of the particle (where they appear to become solid) albeit with ever diminishing amplitude. Thus space is filled with a whole lot of overlapping waveforms (from each of the particles). These overlapping waves form an essentially random, high frequency noise of wave activity. Each particle contributes only a small amount of activity, but due to the large number of particles, the level of wave activity can reach very high levels. The suggestion made by Energy Field Theory is that the Gravitational Potential level is a direct measure of the amount of this wave activity in the space around a mass.

The following diagram shows the waveforms of eight different particles (perhaps travelling at differing speeds) on the left-hand side. On the right hand side is the cumulative sum of the particles' waves in space. As you can see, the space surrounding and enveloping the particles soon becomes a cacophony of high frequency noise.



Much in the same way as Multiplexed telephone calls down an optical fiber, each individual particle exists within the noise as if the other waves were not there. So what appears to be total chaos is in fact the summation of a large number of well-defined wave structures. Having said this, however, it may be the high density of the random wave activity that allows energy to become quantized into particles in the first place. Thus the seething mess of very high frequency noise acts as a medium capable of supporting quantized chunks of energy of a lower frequency. Presumably the lower frequency waves reflect off the medium of high frequency noise to form the standing waves that are particles. Extending this concept to the edges of the Universe would mean that on the edges of the Universe where the gravitational potential peters out to nothing, there might be insufficient wave activity in space to support the existence of solid particles – only the dark energy of the sub-quantum waves could exist.

Due to the extremely high frequency nature of the waves that fill space, they are very penetrating – capable of passing through solid objects as if they are not there. Thus they create the gravitational potential that determines the time dilation of objects placed in that space.

Black Holes have some energy called Hawking radiation that streams away from them. Presumably this radiation is the result of some of these waves coalescing to form particles and streaming away from the hole.

So we can perhaps see how the Universe works in a clearer way, and understand the exquisite symbiotic existence between particles and dark matter (sub-quantum waves).