

This part of The Cosmos is Bound

This part of The Cosmos is Bound. Because of this, the qualities in this part of The Cosmos have single and singular values, which can thus be defined and which allow simple linear Mathematical expressions in and between these defined and definable qualities to be formed, and thus these linear mathematical laws which can be made as Generalisations are in turn obeyed. This is the Bound nature of our part of The Cosmos.

The Standard Units which form the basis of Newtonian mechanics thus take singular form because of the bound nature of this part of The Cosmos.

These are the units of Mass, Length and Time, and because these are singular qualities, they quantify The Cosmos easily, which then in turn allow singular Mathematical Equalities to be stated, and whose Qualities which can be quantified in single-valued Real Numbers are assumed to hold for the whole Cosmos.

The definite nature of these Mathematical equalities, formed because these equations' variable elements are singular, allows both the Constants of Proportionality, and the secondary values across these equalities to be deduced.

This is how Newton formed his Mechanics.

However, this single value-ness of the qualities of the Basic Units because this part of the Cosmos is bound, is a local feature of the Cosmos.

In fact, the Cosmos is bigger than the boundedness of this part of it.

As Einstein showed, the singular and bound nature of Linear Time, which had been assumed to be constant and therefore the same across the whole Cosmos, does not in fact hold at higher linear velocities, nor at the Speed of Light itself: For time-values and the rates-of-time are different at different speeds, and time comes to a halt completely as Instantaneity at Light Speed.

Further, as the Quantum and Super-quantum realms are considered, the basic qualities of the Classical World take on multiple simultaneous values. These quantities change, albeit held simultaneously, because the Cosmos is in this aspect Non-local and thus Unbound, and so the Mathematics of these Realms behaves very differently from the Bound Cosmos, (if indeed bound or describable by Mathematics at all), even as these Realms are just as real as the Linear Classical World which Issac Newton described.

