

The Universe is a continuum with the equations of physics representing one universal geometrical process.

$$a^2 + b^2 = c^2,$$

The Pythagoras Theorem is a fundamental physical reality within the theory of Relativity

$$E^2 = (MC^2)^2 + (pC)^2$$

$$e^{i\pi} + 1 = 0$$

Euler Identity is interwoven into the dynamic fabric of space & time. With one photon equals zero 'the moment of now' within an individual reference frame.

Time dilation equation

$$\gamma = \frac{1}{\sqrt{1 - v^2/c^2}}$$

Energy  $\Delta E$  slows the rate that time  $\Delta t$  flows as a process of continuous creation relative to the energy & momentum of each object or life form. Mass will increase relative to this

Light sphere  $4\pi$  of potential future uncertainty

$2\pi$

$\Psi$

Multiplying by the imaginary number  $i$  is a rotation.

$$E = \frac{Q}{4\pi\epsilon r^2}$$

Heisenberg's Uncertainty Principle represents the same uncertainty we have with any future event at the smallest scale of creation.

$$\Delta x \Delta p_x \geq \frac{h}{4\pi}$$

$$(E = \gamma M_0 C^2)^\infty$$

$$E_k = \frac{1}{2}mv^2$$

$$h = \frac{h}{2\pi}$$

The Planck constant represents a constant of action in the geometrical process that we see and feel as time

kinetic energy half the radius

$$PE = \frac{Qq}{4\pi\epsilon r}$$

Potential energy with the future unfolding photon by photon with each new photon electron coupling or dipole moment. This forms the movement of positive and negative of charge

$$F = K \frac{q_1 q_2}{r^2}$$

$$T^2 = \frac{4\pi^2}{a^3}$$

$K = 1/4\pi\epsilon$  Boltzmann's constant is a bridge between probability and entropy.

$E=MC^2$  is an approximation of  $(E=\Delta M, C^2)$

## Modern Mathematical Theories

# Matters Mathematical

**Michael Brown**



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