

The Four Dimensions of a Three Dimensional Space-Time-Reality

By definition Space-Time-Reality has 3 dimensions:

The Dimension of Reality

Reality is a dimension of space-time-reality.

The reality of a space-time-reality is determined by the dimension of the perspective of a particular time & space.

It is determined by an individual's particular perspective of here & now.

Every reality has four dimensions that allow a particular physical perspective.

Dimension one is: **Linear**

This is measured in Length in a direction that is forward/backward, north/south, or longitudinal.

Dimension two is: **Lateral**

This is measured as Width or Breadth in a direction that is right/left, east/west or latitudinal.

Dimension three is: **Vertical**

This is measured as Height or Depth in a direction that is up/down, as a peak/trough or as a zenith or nadir.

Dimension four is: **Holonic**

This is measured in a hierarchy of holons or a holarchy.

The direction of a holarchy is in/out, internal/external or micro/macro.

Even though my focus is directed one dimensionally, the dimension/direction of my perspective, my perception is always four dimensional.

The Dimension of Space

Space is a dimension of space-time-reality.

From the perspective of space-time-reality, space has four dimensions each of which is a holon.

Dimension one is **Atomic**:

The Atomic holon has a proton-neutron nucleus surrounded by electrons that allow space between, which attract other atomic holons to create molecules that allow space between them.

Atoms have space on the inside and space on the outside.

Dimension two is **Cellular**:

The Cellular holon has a molecular nucleus surrounded by a cell membrane with space between, and space between each cell within an organism.

Cells have space on the inside and space on the outside.

Dimension three is **Organic**:

Organic organisms are cell co-operatives.

They have a nucleus or heart with space between the heart and the body of the organism, and space between each organism.

The Animal Kingdom, the Plant Kingdom, the Mineral Kingdom and Man are all organisms within the organic holon.

Dimension four is **Cosmic**:

The Cosmic holon has a sun at its nucleus surrounded by planets and moons with space in between.

There are collections of stars with space in between that co-operatively form galaxies with space in between.

Wherever we look we see space yet it is only obvious in the holon above that in which our consciousness resides.

The Dimension of Time

Time is a dimension of space-time-reality.

From the perspective of a 3 dimensional space-time-reality, time has 4 dimensions of reality in space:

Dimension one is **Spin**:

Spin is measured in earth days.

It takes our planet Earth one day to complete one spin on its polar axis.

It takes 24 hours from one sun-rise until the next apparent sun-rise.

However it is the spin of the earth relative to a stationary sun that causes the sun to rise at the same time each day.

Dimension two is **Orbit**:

Orbit is measured in earth years.

It takes our planet earth one year to complete one orbit of our sun.

It is the tilt of the earth on its axis that allows the experience of 4 different seasons during each orbit.

Dimension three is **Rotation**:

Rotation is measured in celestial ages.

It takes the solar system 12 ages or 26,000 years to complete one rotation on its solar axis.

The solar system is currently rotating out of the Age of Pisces and into the Age of Aquarius.

Dimension four is **Revolution**:

It takes our solar system million of earth years to complete one revolution of our Milky Way galaxy.

A journey so vast it can be measured in light years.

Each dimension of time is relative to its own dimension of space.

How Time & Space relate to each other determines our present Reality.

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