

# The Universe: Finite or Infinite?

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The ancient Greek philosopher Democritus [460 BC], stated: The universe is composed of two elements: "The atoms and the void, in which they exist and move."

Newton's concepts on empty [void] space and matter are not very different from Democritus despite Cartesian space of Rene Descartes introduced prior to Newton. There can't be a boundary

to an empty space other than another stretch of emptiness.

In Einstein's empty space [1905], space gets pervaded with fields [1950] that he treats to be the most fundamental and nothing, as per him, can be more fundamental than fields.

But he failed to discover creational processes of matter and fields.

In Space Vortex Theory a new medium of Void at the electron center has been discovered in electron vortex structure. This medium may exist as infinite extension of Void

[nothingness] beyond the universe of finite spherical volume of Vacuum.

Axial rotation will make the spherical universe as oval as seen below. The radius of the universe is calculated as  $3.3 \times 10^{31}$  cm.

