

Shiva Shiva

IS ABSOLUTE ZERO (0K) EQUIVALENT
TO -273.15°C OR $-273.137085375^{\circ}\text{C}$?
(325th Proof on Rho)

Charles' Law states that the volume of a gas equals a constant value multiplied by its temperature as measured on the Kelvin scale (zero Kelvin corresponds to -273.15°C).

Jacques Charles (1787) did experiments on how the volume of gases depended on temperature.

A fixed mass of a gas at constant pressure, volume of a gas increases on increasing temperature and decreases on decreasing temperature by the value of $\frac{1}{273.15}$ of its original volume of gas at 0°C for every 1°C rise in temperature.

$$\frac{1}{273.15} = 0.00366099212$$

2

We obtain more or less the above value from exact $\pi-3$.

The present π value is an approximate value equal to 3.14159265358...

The exact π value was discovered in March 1998 and is called Cosmic π value with its symbol as $\rho = P$.

The value is $\frac{14-\sqrt{2}}{4} = 3.14644660941\dots$

$$\text{Its } \pi-3 = P-3 = \frac{14-\sqrt{2}}{4} - 3 = \frac{2-\sqrt{2}}{4}$$

$$\frac{2-\sqrt{2}}{4} = 0.14644660941\dots$$

Let the above value is divided by 40

$$\text{we get} = \frac{2-\sqrt{2}}{4} \times \frac{1}{40} = \frac{0.14644660941}{40}$$

$$= 0.00366116523\dots$$

$$\text{Present Physical Truth} = 0.00366099212$$

$$\text{Mathematical Value of } \frac{\pi-3}{40} = 0.00366116523$$

$$\text{Difference} = 0.00000017311$$

So, the difference is very small.

3
However, we must have the
correct equivalent. What is
that

$$\frac{1}{0.00366116523} = \frac{1}{273.137085375}$$

So, we must suspect the
experimental value $\frac{1}{273.15}$ has

a small error.

The correct value $\frac{1}{273.137085375}$ may be
and not $\frac{1}{273.15}$
and we have to probe
deeply and decide.

Thank God

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