The IdealTemperature Scale Based on The Square Root of Three

Charles William Johnson

Now, let us suppose that the thermodynamic temperature scale is an ideal scale based on the square root of three throughout its entire scale. We substitute the mantissa of the square root of three (.732050808) for all of the main temperatures on the scale. The ideal temperatures for the boiling and freezing points of water would then be 373.2050808 and 273.2050808 respectively.

Note below the repetition of the mantissa .732050808.

1.732050808 x 373.2050808K = 646.4101616

646.41 minus 373.2050808 equals 273.2050808

646. 4101616	[= 373.2050808 + 273.2050808]	
509.8076212	[= midpoint between 646.4101616 and 373.2050808]	
473. 2050808	[= 273.2050808 x 1.732050808]	[646.31 - 473.15 = 173.2050808]
373. 2050808	[= boiling point of water -*BPW*-]	
323. 2050808	[= half of 646.4101616]	
273. 2050808	[= freezing point of water -*FPW*-]	
173. 2050808	[*square root of three*]	
73.2050808	[= baseline mantissa value]	
0.00 Absolute Zero		

Selected Ideal Computations: the Mantissa Based on the Square Root of Three

646.4101616 / 509.8076212 = 1.267949192

646.4101616 / 473.2050808 = 1.366025404

646. 4101616 - 473.2050808 = 173.2050808

1 / .267949192 = 3.732050808

1 / .366025404 = 2.732050808

1 / .732050808 = 1.366025403
1.366025403 x 2 = 2.732050808

509.8076212 / 323.2050808 = 1.577350269

473.2050808 / 323.2050808 = 1.464101615

323.2050808 / 173.2050808 = 1.866205404

.577350269 x 3 = 1.732050808

1.464101615 / 2 = .732050808

1.866205404 x 2 = 373.2050808
.866205404 x 2 = 1.732410808

373.2050808 / 273.2050808 = 1.366025404

273.2050808 / 73.2050808 = 3.732050808

1 / .366025404 = 2.732050808

173.2050808 / 73.2050808 = 2.366025403