

Hubble, CMBR, Fine Structure Constant & Friedmann Density Parameters

$$(((7.04370151e+4 \text{ (m / s)}) / (1 \text{ Mpc})) / (160.4589 \text{ GHz})) / G * (6.5248935 * (\text{kg}^{-1}) * (\text{m / s})) * (\text{c}^2) * (8 \text{ s}) = 1$$

$$7.04370151e+4 / (6.5248935 / (2\pi)) = 67827.7459024$$

https://en.wikipedia.org/wiki/Hubble%27s_law#Observed_values_of_the_Hubble_constant

$$((2\pi * \hbar * ((160.4589 \text{ GHz}) / c)) * c) / \text{eV} * (376.730313462 * 4) = 1$$

$$1 / (((2\pi * \hbar * ((160.4589 \text{ GHz}) / c)) * c) / \text{eV} * (137.0359993 * 4)) = 2.74913391$$

$$((2\pi * \hbar * ((160.450515 \text{ GHz}) / c)) * c) / \text{eV} * 1507 = 1$$

$$1507 / 11 = 137$$

$$(11 + (0.5^{0.5}))^2 = 137.056349186$$

$$((11 + (0.5^{0.5}))^2) / 137.0359993 = 1.00014850029$$

$$1507/376.75/4 = 1$$

$$376.75 / 137 = 2.75$$

$$2.75 * 4 = 11$$

<https://photos.app.goo.gl/DHcfLi9mzGtw7WNI6>

Integer Quantum Effect

https://en.wikipedia.org/wiki/Quantum_Hall_effect#Integer_quantum_Hall_effect_%E2%80%93_Landau_levels

$$376.75 / (4e-7\pi) / c = 1.00005226$$

$$(((7.04370151e+4 \text{ (m / s)}) / (1 \text{ Mpc})) / (160.4589 \text{ GHz})) / G * (\hbar / \text{planck length}) * (\text{c}^2) * (8 \text{ s})^{0.5} = 1 \text{ kg}$$

$$376.730313462/137.0359993 = 2.74913391654 \text{ Kelvin}$$

$$\left(\left(\left(7.04370151 \times 10^4 \text{ (m/s)} \right) / \left(1 \text{ Mpc} \right) \right) / \left(160.4589 \text{ GHz} \right) \right) * \left(\hbar / \text{planck length} \right) * \left(4 \text{ (s / (m}^4)) \right) = 3.71295774 \times 10^{-28} \text{ kg / m}^3$$

https://en.wikipedia.org/wiki/Friedmann_equations#Density_parameter

