

Our universe II

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See the Unified Absolute Relativity Theory at:

www.wbabin.net/saraiva/saraiva305.pdf
www.wbabin.net/saraiva/saraiva306.pdf
www.wbabin.net/saraiva/saraiva307.pdf
www.wbabin.net/saraiva/saraiva328.pdf
www.wbabin.net/stham/saraiva347.pdf
www.wbabin.net/stham/saraiva366.pdf

To understand our universe we must put our self out of it.
 Our universe is just a subatomic particle in another mega universe.
 If I were god and have his powers I stop poverty.

Hubble constant:

$$H_0 = \frac{2\pi.S}{c^2} \left(\frac{k_B T}{h} \right)^3 ; \quad T = 2.725K ; \quad S = 1.91 \times 10^{-34} m^2$$

$$H_0 = 2.4454 \times 10^{-18} Hz = 75.32 km / (s.Mpc)$$

$$H_0 = \omega_U = 2\pi.f_U \quad \Leftrightarrow \quad f_U = 3.9 \times 10^{-19} Hz$$

Period of rotation:

$$T_U = 1 / f_U = 2.57 \times 10^{18} s$$

Radius of the universe:

$2\pi.R_U = cT_U \quad \Leftrightarrow \quad R_U = 1.226 \times 10^{26} m$ -- Distance from us and the centre of the universe. We live at the surface of our universe.

Local gravitational acceleration:

$$g_U = \frac{c^2}{R_U} = \frac{GM_U}{R_U^2} = 7.33 \times 10^{-10} ms^{-2}$$

$$g_U = \frac{2\pi.Sf^3}{c} \quad \text{and} \quad f = \frac{k_B T}{h}$$

This is also the acceleration field of the cosmic microwave photons.
The age of the universe is infinite.
The universe is rotating, not expanding.
Angular speed:

$$\omega_U = H_0 = \frac{c}{R_U}$$

Mass of the universe:

$$M_U = \frac{c^2 R_U}{G} = 1.651 \times 10^{53} \text{ kg}$$