

Cosmological constant puzzle explained by The 3D Universe Theory

www.3d-universe-theory.com

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The 3D Universe Theory describes the Universe as an expanding sphere of layered information. The information describing our "present" moment is contained in a 2D layer of the expanding sphere.

Past/present/future coexist as successive layers. The "present" layer's radius of curvature represents the age of the Universe in Planck units. The following formula is therefore deduced:

Value of Dark Energy Density (in Planck units):

$$\rho\Lambda = \frac{1}{4\pi \times R^2} = \frac{1}{8.14 \times 10^{122}} = 1.23 \times 10^{-123} \text{ (WMAP value} = 1.27 \pm 0.07 \times 10^{-123}\text{)}$$

R = age of the Universe in Planck units