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Algebraic and geometric questions about a 6D physics

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The puzzling observation of a whirling plane of satellite galaxies around Centaurus A [5] opens to cosmological hypotheses alternative to the Λ -CDM model, such as the 6D spacetime proposed more than ten years ago ([1, 2, 3]) and reinforced by new data from the Hubble Space Telescope revealing that the universe is expanding faster than expected [6]. Assuming a three-dimensional time, the geometric and algebraic analysis of the temporal distortions around a structureless rotating sphere would lead to an elegant explanation of both the galaxy-scale planar alignment of orbiting bodies (radial time) and the Universe’s increasing expansion rate (angular time). We mean that the effects attributed to two alleged *dark* entities (matter and energy) could find a unitary explanation within the germinal 3T theory [4] we wish to illustrate now.

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