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## Status of Electromagnetic Accelerating Universe

*Tuesday, July 9, 2024 3:36 PM (18 minutes)*

To describe the dark side of the Universe, we adopt a novel approach where dark energy is explained as an electrically charged majority of dark matter. Dark energy, as such, does not exist. The Friedmann equation at the present time coincides with that in a conventional approach, although the cosmological “constant” in the Electromagnetic Accelerating Universe (EAU) Model shares a time dependence with the matter component. Its equation of state is  $\omega \equiv P/\rho \equiv -1$  within observational accuracy.

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**Session Classification:** Theories of gravity: alternatives to the cosmological and particle standard models