Abstract Submitted
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Conformal theory of galactic halos ROBERT K. NESBET, IBM Almaden Research Center — In current cosmology, an observed galaxy is considered to be surrounded by a large spherical halo attributed to dark matter. Galaxy formation by condensation of mass-energy necessarily depletes the original uniform cosmic background. This must leave a scar, in the form of a gravitational field halo, as observed in anomalous galactic rotation and in gravitational lensing. Without invoking dark matter, conformal theory accounts for the otherwise counterintuitive centripetal effect.

Robert K. Nesbet
IBM Almaden Research Center

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