

Abstract Submitted
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Spiral Galaxy Formation, Shape, Rotation and Evolution: A Perspective withOUT Mysterious Dark Matter C.F. GALLO, JAMES Q. FENG, Superconix Inc — Various models for Spiral Galaxies are compared to arrive at the following viewpoint. (1) Peratt theoretically displays the formation and evolution of galaxies from hot plasma with a combination of gravity and electromagnetic plasma effects, particularly circulating currents. The sequence proceeds from Elliptical to Irregular to stable Spiral Disc Galaxies. The spirals are initiated by radial EM plasma jets oriented around magnetic fields. (2) DeSouza observes/analyzes young spiral galaxies in the process of forming their spiral shapes. He observes radial Jets initiating from the central Bulge and evolving into full trailing spirals in agreement with Peratt's EM plasma simulations. (3) Feng and Gallo have successfully analyzed galactic rotation data with Newtonian gravity/dynamics withOUT Mysterious Dark Matter. Our model represents mature spiral disk galaxies whose behavior is dominated by gravity since the plasma has mostly condensed into stars at this late stage. This situation is similar to our gravity dominated Solar System. (4) All three models are based on known verified physics withOUT Mysterious Dark Matter.

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