

Abstract Submitted  
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**The Dark Side of Galactic Formation** JAMES BEICHLER, West Virginia Univ at Parkersburg — Dark Matter and Dark Energy are both regarded as anomalies that must be solved by science. Each anomaly is being independently studied while numerous solutions are being suggested for each independent of the other. However, everyone either accepts or assumes that both anomalies must eventually conform to a single common solution. With a little imagination that single solution is not that hard to find. By assuming a real macroscopically extended fifth dimension, characterized by the extrinsic curvature of the four-dimensional portion of that space-time continuum, both DM and DE can be explained in a single model. CDM halos are a simple product of galactic formation and the DE that acts as a negative pressure to increase the expansion rate of the universe is a product of the maturity and old age of spiral galaxies. The extrinsic curvature of four-dimensional space-time, which is completely compatible with both general relativity and Kaluza's unification of general relativity and electromagnetism, can be identified directly with all forms of DM and DE. This model thus offers a starting point for the unification of relativity and the quantum.

James Beichler  
West Virginia Univ at Parkersburg

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