

Abstract Submitted
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Spin as a Manifestation of a Nonlinear Constitutive Tensor and a Non-Riemannian Geometry¹ FREDRICK W. COTTON, Retired — The electromagnetic constitutive tensor can be used to introduce a classical form of spin. For charged particles at rest, with no external forces, the spin does not affect the energy density of the particle. The particle solutions satisfy a non-Riemannian form of the Einstein-Maxwell equations.

¹<http://sites.google.com/site/fwcotton/em-25.pdf>

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