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Resonance Theory: The unification of relativity and quantum physics through the electromagnetic and mass properties of empty space

Mark R. Anderson

Oikos Laboratories, Inc., Friday Harbor, Washington, 98250

RECEIVED 14 MARCH 1991

Electromagnetic radiation is shown to consist of an interconversion over time between electromagnetic fields and a mass field, according to the law of conservation of mass-energy. The required inverse geometry modes of this mass wave allow universal energy state equations for velocity, momentum, and energy which are valid for all velocities from 0 through c. Special and General Relativity describe special cases of these equations, which also show quantum characteristics in terms of wave nodes. The energy state equations are shown to derive from the physical properties of empty space. The properties of charge, time, rest mass, and spin are predicted by this physical interpretation, and its wave geometry provides a functional description of symmetry relations and the relation between gravitational, electric and magnetic forces. Electromagnetic radiation is a resonant activation of empty space, and the properties of physical events are determined by the physical properties of empty space. An absolute frame of reference is proposed.

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Introduction. A history of apparent experimental contradictions has tended to isolate the theory of sub-wavelength parameter measurements from the theory of relativistic velocity parameter measurements, simultaneously isolating mathematics for the gravitational force from that of the electromagnetic, weak and strong nuclear forces. The Special

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22 March 1991

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Sincerely yours,

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Benjamin Bederson
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