

Abstract Submitted
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Elastic knots of Space-Time may improve QED, QCD RICHARD KRISKE, University of Minnesota — This author had previously suggested that the time dimension of Electric fields and Magnetic fields are different. This matter was apparently settled with the Special Theory, in which each Observer, has his own Dimension of Time, that is "elastic" with one Dimension of Space. The independence of E and M, when they are not varying with time, leads one wonder if they are the same time. For a moving Observer, the two fields are joined through Faraday and Ampere's law. Particle Physics has made the simple Special Relativity interpretation murky. A photon does not simply become either an Electric field or a Magnetic field when viewed in its "rest frame". Because of this all kinds of extra sub theories are used, such as the Photon is quantized, and is massless in its rest frame, and always moves at the velocity of light. As for the Photon of the magnetic, or just the electric field, it is "off the mass shell". Perhaps a better theory is that the elasticity of time and the fact the "Two" observers show up in the theory, is that there has to be two dimensions of time, tied in a knot, in order for a field to become a Particle. The knot tying in EM is simple, when the E field varies it produces M, and vice-versa. For massive particles the knots are more complicated, more dimensions.

Richard Kriske
University of Minnesota

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