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(SUMMARIES)

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LORENTZ-COVARIANT LAGRANGIANS + CAUSALITY *)

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A class of Lorentz-covariant Lagrangians is described which seem to violate causality in the sense that the propagation velocity of wave fronts and particles can be greater than the velocity of light. As a simple model of a Lagrangian of this type we consider a point particle coupled to a massless rank-two field. While it seems kinematically possible to accelerate a particle through the Minkowski light cone, it turns out that dynamical reasons prevent this. The reaction force due to the radiation emitted by the particle diverges when the particle approaches the Minkowski light cone. This simply seems to indicate that Lorentz covariance is indeed sufficient to guarantee causality and no restrictions concerning the type of couplings which may be contained in the Lagrangian are necessary.

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