

Abstract Submitted
for the APR17 Meeting of
The American Physical Society

Gravitation is a Gradient in the Velocity of Light DT FROEDGE,
Formerly Auburn University — It is well known that a photon moving in a gravitational field has a trajectory that can be defined by Fermat's principle with a variable speed of light and no other gravitational influence. If it can be shown that a particle composed of speed of light sub-particles has the same acceleration in a variable index of refraction as a particle in a gravitational field, then there is no need to ascribe any other mechanism to gravitation than a gradient in c . This makes gravitation an electromagnetic phenomenon, and if QFT can illustrate a gradient in c can be produced by the internal motion of lightspeed sub-particles then the unification of QM and gravitation becomes more straightforward. <http://www.arxdtf.org/css/GravAPS.pdf>.

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Date submitted: 12 Aug 2016

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