

Abstract Submitted
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Mass without Geometry GEOFFREY HOLSTROM, VVC, SBVC —

Mass is an intensive parameter in a distribution in formation interval space. It has no geometric location. After formation a geometry can describe behavior. To begin, a direct product of two formation interval spaces is broken by release of a neutrino. Two connection operators appear. One is symmetric (forming leptons), the other anti-symmetric (forming hadrons). 3 leptons, 6 quarks, and 3 neutrinos result. This is a determined union. If no neutrino is released, no mass is formed. This is an undetermined union. In the former, time exists because mass exists. At undetermined unions there is no time. Maxwell fields come from determined unions. At undetermined unions Einstein equations apply, but no definite source is available. From the curvature, a three index object for a source is needed. The anti-symmetric connection at determined unions can be projected into the undefined geometry of undetermined unions. That gives a beam, and if spherically random, gravity. Protons and neutrons are each made up of three colored beams. Gauge fields in formation space hold the proton together, but beams could bind n and p. For this to be true the beam size is a very small solid angle. Some nuclear structure is involved.

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