

Abstract Submitted  
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**Every Elementary Particle When Created, Will Exhibit No Motion, Linear, Rotational and/or Vibrational Motion Which May Later Be Modified By External Forces: A Natural Law** STEWART BREKKE, Northeastern Illinois University (former grad student) — All masses are vibrating, rotating and/or moving linearly. Curivlinear motion is linear motion under external forces. The excess energy of creation of a particle may also go into creating vibratory, rotational and/or linear motion or no motion at all. External forces such as particle collisions or force fields may alter the original linear, vibratory and/or rotational motion of the particle. Since all elementary particles always obey this behavior, the statement is a natural law. The equation for this law for any particle is  $E = mc^2 + 1/2mv^2 + 1/2I\omega^2 + 1/2kx_0^2$ .

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