



Space-Time: Dynamics of an Isotropic Non-Linear Elastic Continuum (Paperback)

By Robert K Masse Ph D

Createspace, United States, 2010. Paperback. Book Condition: New. 193 x 127 mm. Language: English . Brand New Book ***** Print on Demand *****. Space-Time: Dynamics of an Isotropic Non-Linear Elastic Continuum examines a theory of space-time proceeding naturally from the basic precepts of General Relativity. Abandoning the notion of matter inhabiting and bending a surrounding space-time continuum in favor of a system comprising instead only of the continuum, all phenomena (including apparent matter) are represented as localized states, or fields, within the continuum. Postulated symmetry and uniformity are shown to yield a simple dynamic governing equation which can be demonstrated to enforce interactions resembling the known physical laws between particle-like continuum states bearing charge-to-mass properties in alignment with the periodic table. Readers well-versed in continuum mechanics will be most suited to the text. Conversely, only a general understanding of General Relativity will be necessary, although greater proficiency will profit greater perspective.

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