

The Physical meaning of 5-D Lorentz Transformations

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Abstract

It is shown that the 5-D extension of the Lorentz transformation is related to, per unit total internal energy, energy-momentum as a faithful generalization of the restricted relativity theory (RRT). The resulting, space-time-action, relativity theory (START) embeds RRT and General Relativity in a flat Lorentzian manifold with a null quadratic form.