



**RELATIVITY OF CHANGES WITHOUT
TIME AND VELOCITY**

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Abstract

The smallest physically available range of distance is a quantum of distance, i.e. the so called: "Planck length" ([P. J. Mohr, B. N. Taylor and D. B. Newell, CODATA recommended values of the fundamental physical constants: 2006, Rev. Mod. Phys. 80 (2008), 633-730.]; [W. M. Saslow, A physical interpretation of the Planck length, Eur. J. Phys. 19 (1998), 313]) which will be assumed in the paper as a measure of changes.

This assumption will lead to some fundamental relations that hold in a special theory of relativity without the concepts of time and velocity.

Keywords and phrases: relativity, time dilation, length contraction, Planck.

