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One way to Lorentz's Transformations

The derivation of Lorentz Transformations (LT) based on the Principle of Relativity and dependence of the rate of clocks tick (time dilation) on their velocity is presented. The analysis of different ways of the LT derivation allows to look at LT and their consequences from different standpoints, to make them more accessible to a wide circle of readers interested in the relativistic physics [1].

References

1. E.G.Bessonov, Preprint FIAN No 11, 2012; <http://arxiv.org/ftp/arxiv/papers/1206/1206.2904.pdf>.

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