

On the Relativistic Invariance of Maxwell's Equation

Oleg D. Jefimenko

Physics Department, West Virginia University, P.O. Box 6315, Morgantown, WV 26506-6315, USA

Reprint requests to Prof. O. D. J.; Fax: 304293-5732.

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It is common knowledge that Maxwell's electromagnetic equations are invariant under relativistic transformations. However the relativistic invariance of Maxwell's equations has certain heretofore overlooked peculiarities. These peculiarities point out to the need of reexamining the physical significance of some basic electromagnetic formulas and equations.

Key words: Maxwell's Equation; Special Relativity; Lorentz Contraction.