

Addition to the article "Some questions to the theory of ether and methods of assessment of the Michelson experiments"

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The article attempts to show the need to the correction of representation about the propagation of light in a vacuum (light to the light-carrying medium).

The article "Some questions to the theory of ether and methods of assessment of the Michelson experiments" posted on the website <http://www.matphysics.ru>.

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If we use the results of the experiments of the Michelson, in the first approximation the dependence of the propagation of the speed c_γ of the light flux (light flux fragments) in luminous medium (ether) from the angle γ of the deviation of the speed c_γ from the longitudinal axis (front) of the light flux:

$$c_\gamma = \frac{c}{\sqrt{2} \cdot \text{Sin}^2\gamma} \cdot \sqrt{1 + \text{Sin}^2\gamma \pm \sqrt{1 + 2\text{Sin}^2\gamma - 3\text{Sin}^4\gamma}} \quad (1)$$

where:

c – The speed of light in vacuum.

The sign " + " - in the case, when $\gamma = 0, \pi, 2\pi \dots$

The sign " - " - in the case, where $\gamma \neq 0, \pi, 2\pi \dots$

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