

**Supplement to the article:**  
**“Confirmation of results of the experiments of Michelson  
without the postulate about the invariance of the speed of light  
(augmented and modified version of the article)”.**

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*This article attempts to show that the results of experiments of Michelson with a sufficiently high degree of accuracy can be explained by the use of dependence of the velocity of movement of the fragment of the purpose of the focused light flux from the value of the velocity of motion of the source of that light flux relatively luminiferous medium and the value of the angle between the velocity vector of movement of the fragment and the longitudinal axis of the light flux.*

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In the article “Confirmation of results of the experiments of Michelson without the postulate about the invariance of the speed of light (augmented and modified version of the article)” the dependence of speed  $c_\gamma$  of propagation of the light flux (speed of motion of fragments of the light flux) in the luminiferous medium from the angle  $\gamma$  of the deviation of the speed vector  $c_\gamma$  from the longitudinal axis (front) of this light flux can be as follows:

$$c_\gamma = \frac{c}{2} \cdot \left[ \frac{-\cos\gamma + \sqrt{1 + 3 \sin^2\gamma}}{\sin^2\gamma} \right] \quad (1)$$

where:

$c$  - the speed of light in vacuum.

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