

## Deformation model photon

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*This article attempts to show that it is possible to construct a model of the photon, in which the motion of the photon will be moving momentum (the quantity of progressive motion) and momentum of rotatory moment (rotation around the direction of motion of the photon) in the space (in the ether) from one point to another, provided that there elastic ether.*

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Assume that the ether is and has the property of elasticity.

Assume that the motion of a photon (light emission) is a wave process is to move the deformations that occur in the ether, from one point to another.

This may occur displacement in space as a concrete amount of the momentum of the progressive motion and a concrete amount of the momentum of rotatory moment (vector of rotatory moment may coincide with the direction of the

progressive motion of the photon).

Movement of the photon will be like inside a cylindrical tube (optional constant radius) filled the ether.

Photon can represent themselves on the one hand, the movement of the longitudinal deformation (tension-compression , while the value of the longitudinal force will vary in the range: zero - the concrete positive value - zero - the concrete negative value - zero - ...) along the cylindrical tube, the other hand, torsional deformation occurring between the transverse (to the motion of a photon) layers of the photon (a certain bulk of ether covered deformations) and having an oscillatory character (the value of torque moment changes the value in the range: zero - the concrete positive value - zero - the concrete negative values - zero - ..., and the vector of torque moment can have two directions: in the direction of motion of the photon and in the direction opposite to the movement of the photon).

Le proposed model of the photon integrates in unified integer the vibrational longitudinal deformations arising in a concrete volume of ether, and the vibrational rotational deformations arising in the volume of ether, covered longitudinal deformations.

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