

The model of the ether and the movement of light in ether

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Assumption: there is ether which for difference we will call ether 1, the representing some volume of free space in which are non-interacting among themselves (or having very weak and rare interactions) identical particles 1 (structural elements).

The process of moving of light in the ether 1 includes:

- Compression of the ether 1 (decreasing the distance between the particles 1) when exposed to light (light pulse), leading to interaction (strong interaction) between particles 1;
- The movement of light (light waves) in the compressed ether 1 (in the environment of interacting particles 1).

In the proposed model of the ether the speed of movement of light is independent of (or with a certain degree of accuracy may not depend) on the speed of movement of the ether and the speed of light source in an inertial frame of reference.