

THE FIZEAU EFFECT

E. Gigov, 16.08.2022

Abstract: The experiment of Fizeau is incompatible with the theory of relativity.

1. Examination

Many simple facts disprove the theory of relativity. In the experiment of Fizeau^[1] performed by Lahaye^[2], the real dephasing of the rays exceeds the theoretical^[3] by 15% (fig. 1), i.e. the speed of light is not an invariant constant. Whereas Maers^[4] increases this difference by 200% (fig. 2). The difference in the results depends on some parameters of the water tubes.

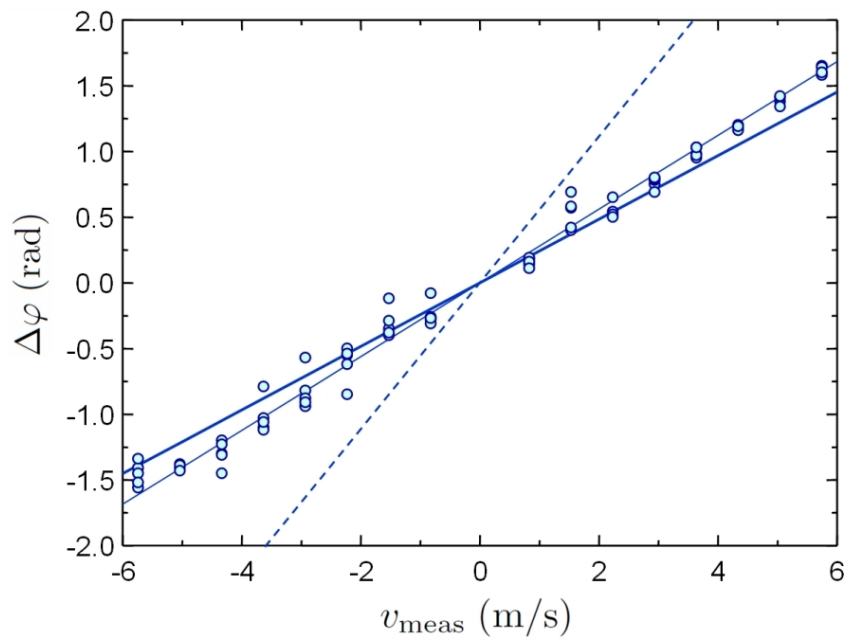


Fig. 1

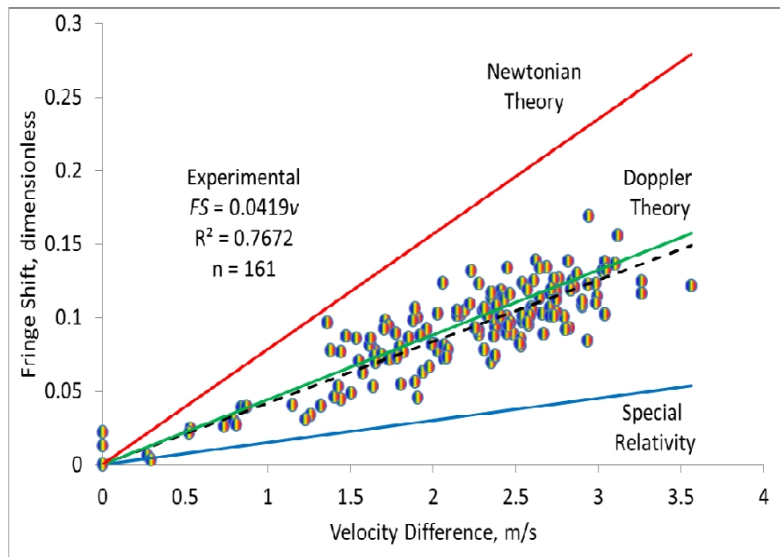


Fig. 2

2. Conclusion

The experiment of Fizeau always refutes relativity.

References

1. Fizeau, *On the Effect of the Motion of a Body upon the Velocity with which it is traversed by Light*, 1851.
2. Lahaye, *Fizeau's "aether-drag" experiment in the undergraduate laboratory*, 2012.
3. Lerche, *The Fizeau effect: Theory, experiment, and Zeeman's measurements*, 1977.
4. Maers, *The Fizeau Experiment: Experimental Investigations of the Relativistic Doppler Effect*, 2013.