

In this chapter we tried to revisit key experiments that once were discussed during the time of Albert Einstein and which resulted once into the common agreement of the theory of relativity.

We revisited lots of these key experiments and tried to verify (meaning: predict and observe exactly the same result) with our new theory .. which works astonishing well! You definitely can explain lots of stuff much easier and completely without the theory of relativity.

.. please go see for yourself !

Everything explains itself without relativity, just by unifying the Lorentz force and Magnetism and thus not forgetting lots of "not so obvious magnetic fields" but taking every moving charged particle and its resulting forces on each other into account. That's all, no strings attached.

Legend:

F = yet not explainable with this new theory

OK = explainable with this new theory

TODO = not yet enough researched by us to decide an outcome

- **Analysis of existing experiments**
  - F Bertozzi experiment
  - OK De Sitter double star observation
  - OK Michelson-Morley
  - OK Sagnac effect
  - OK Synchrocyclotron
  - OK Tunneling of EM waves through prism slit
  - OK Wave-particle duality
  - TODO Ewald-Oseen extinction theorem
  - TODO Ives-Stilwell
  - TODO Kennedy-Thorndike experiment
- **Astrophysics**
  - 1. Pulsars
  - 2. Jets
  - 3. Size of the (observable) universe
  - 4. Gravitational bending of light
  - 5. Apsidal precession
  - 6. RF resonant cavity thruster
- **Extended Coulomb force**
  - Bar magnets
  - Force on a Current-Carrying Conductor
  - Parallel electron beams
  - Skin effect
- **New proposed experiments**
  - Revised Bertozzi Experiment
  - Sagnac experiment revised
  - Velocity measurement of accelerated electrons

## Disclaimer

Attention: Everything written on this website is "WorkInProgress".

This means, that you will encounter incomplete sections, erroneous details, maybe even false claims or wrong interpretations.

Anyway we are convinced that the overall concept and ideas of this new theory describe the world better and more accurate than any other theory that we know of. This results in way too many consequences, meaning that there are thousands of experiments that should be revisited, that lots of new experiments should be implemented and lots of new and old mathematical formulas need to be corrected to complete this new theory of our universe .. which we (Ottmar & Jan) simply can't do on our own. That's why we decided to publish our findings in this early stage (we are thinking for ~ 15 years about this until now).

We encourage everyone to give us feedback via email, please send your comments to: [theory@kechel.de](mailto:theory@kechel.de) or simply use our contact form.

Please don't expect us to answer your mails, but be sure that we'll incorporate any correct feedback (no matter if it supports or refutes this theory!) into this website.

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