

**On the simplistic and flawed ray-of-light fundamental modelling approach, as a massive scientific error in the history of science and on the resulting multiple and erroneous paradigms in physics.**

Private short communication, based on a video presentation, revealing a number of massive anomalies which prove that the contemporary physics light phenomena views are flawed.

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1.0 (April 2019)

**This publication:** the core of this publication is a video presentation (as a series of two videos Part 1 and Part 2) on the flawed use of the ray-of-light principle (a principle used frequently in contemporary physics to "fundamentally model" light phenomena, e.g. in the Michelson and Morley experiment):

- the video Part 1 shows the Karl Popper type of falsification, through the proof of the existence of massive theoretical anomalies and inconsistencies (by reasoning on the basis of photons) in the views of contemporary science on light.

**Video Part 1:** [http://www.absolute-relativity.be/video/Part1\\_Anomalies\\_Theortel\\_E\\_Brauns.mp4](http://www.absolute-relativity.be/video/Part1_Anomalies_Theortel_E_Brauns.mp4)  
or: <https://drive.google.com/open?id=1OOnAZGt4eWFM1pd5dVThVHe7pc6DRHSg>

- the video Part 2 shows the Karl Popper type of falsification, through the proof by a straightforward laser experiment, of the existence of a massive experimental anomaly regarding the views of contemporary science on light.

**Video Part 2:** [http://www.absolute-relativity.be/video/Part2\\_Anomalies\\_Exprmtl\\_E\\_Brauns.mp4](http://www.absolute-relativity.be/video/Part2_Anomalies_Exprmtl_E_Brauns.mp4)  
or: <https://drive.google.com/open?id=1d0b6owXTCGi2UKHBQYs63Z0Cz6Kai0Bv>

**Project:** at ResearchGate "*Karl Popper's type of falsification, through theoretical and experimental anomalies, of multiple contemporary paradigms based on light phenomena.*"

<https://www.researchgate.net/project/Karl-Poppers-type-of-falsification-through-theoretical-and-experimental-anomalies-of-multiple-contemporary-paradigms-based-on-light-phenomena>

**Preceding publications:** see the references to the preceding publications D1-D11 and their download links at the end of this private communication. **An overview publication about D1-D11 can be obtained through this link:** [http://www.absolute-relativity.be/pdf/SignPost\\_Photons\\_EBrauns.pdf](http://www.absolute-relativity.be/pdf/SignPost_Photons_EBrauns.pdf) or **Google Drive:** [https://drive.google.com/open?id=1ktENk1uCbja9Q3kG\\_a1gdDrKVP8mmOX](https://drive.google.com/open?id=1ktENk1uCbja9Q3kG_a1gdDrKVP8mmOX)

**Keywords:** Anomaly detection, Experimental anomaly, Experimental falsification, Experimental verification, Albert Einstein, Arthur Eddington, Euler method, Equivalence principle, Falsification, Falsification principle, Gravity, Graphical representation, Graphical model, Edwin Hubble, Hubble expansion, Thomas S. Kuhn, History of science, Paul Langevin, Laser, Laser pulse, Laser pulse trajectory, Laser experiment, Light ray, Ray of light, Phenomena of light, Light bending, Light bending during solar eclipse, Light clock, Lorentz contraction, Lorentz transformation, Ernst Mach, Michelson and Morley, Michelson and Morley's experiment, Michelson and Morley null result, Mercury perihelion, Mercury perihelion precession anomaly, Model, Virtual model, Mathematical model, N-body planetary system, Flawed paradigm, Flawed contemporary paradigm, Photon phenomena, Photon trajectory, Popper Karl, Flawed postulate, Relativity, Special relativity, Relativity of simultaneity, Reference frame, Real and virtual space, Real location, Perfect rest, Real and mathematical space, Minkowski space, Einstein's thought experiment, Mach's thought experiment, Experiment of Torricelli, Real velocity in real space, Theodolite, Time travel, Philosophy of time travel, Twin paradox, Wobbling sun

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## 1. Introduction

Einstein received a Nobel Prize for his work on the photoelectric effect (Figure 1). It was thus in fact Einstein himself who launched the photon concept for the description of light. It should be remarked that Einstein did not receive his Nobel Prize with respect to his relativity theory.



Figure 1

Contemporary science shows the very peculiar stance of defending two totally different light paradigms, both then trying to "describe" (/model) light phenomena, occurring in real space. Imre Lakatos already pointed to the fact that having, in parallel, the existence of two totally different theoretical models in the minds of scientists, for describing the very same real light phenomena occurring in real space, outside the mind of those scientists, is already a very strong indication of a very unhealthy situation in contemporary science. Such situation in fact proves that the human mind is unable to create one single mathematical model, in order to univocally describe such light phenomena. On top of that scientifically unsound dual stances situation, contemporary science even uses a third light phenomena modelling approach: the extremely simplistic ray-of-light principle while representing light phenomena graphically as simple straight lines in a (moving) reference frame. That ray-of-light modelling principle is totally countered and proven to be totally flawed in this publication, moreover on the basis of Einstein's photon concept.

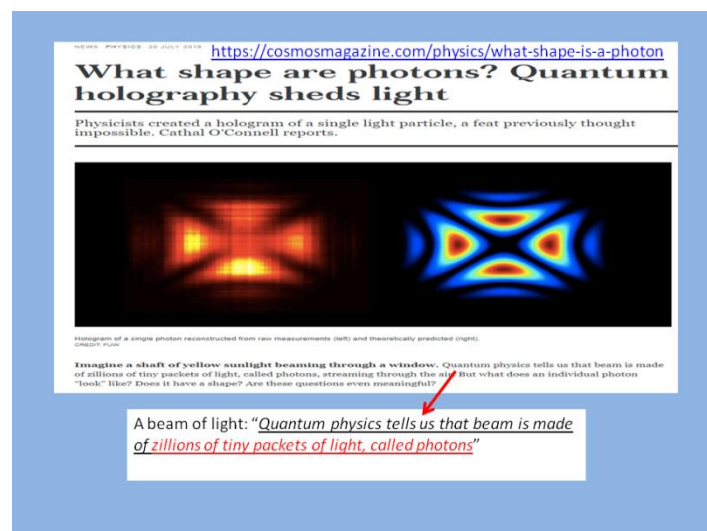


Figure 2

It can be remarked that lasers are available nowadays which are able to produce femtosecond short laser pulses. In the travelling direction, such a laser pulse has a length which is smaller than the thickness of a human hair. Moreover, science is even able nowadays to produce, in a controlled manner, a single photon. A so-called laser beam thus consists of an extremely large collection of single photons (Figure 2). From Einstein's Nobel Prize winning photon concept and from the fact that single photons exist and can be produced in a controlled manner, it is thus perfectly permitted to reason in this publication on the basis of individual photons. Einstein regrettably never did reason in his own thought experiment approaches on the basis of his own photon concept. This publication then reveals the existence of flawed paradigms, based on light, within contemporary physics.

The photon concept of light of course is fully linked to the quantum character ("light *'particle'*", having no mass") of light and not to the mathematical model of light as a long continuous longitudinal electromagnetic "wave", as modeled by the Maxwell equations. Light indeed consists of individual photons, being quantum "light particles". Light should thus not to be depicted as a long continuous/homogeneous and "linear" longitudinal electromagnetic "wave", based on the Maxwell equations or as a ray-of-light. Indeed, the question could be raised of how to model e.g. an ultra-short light photon (in the human visible range and moving through real space) by the Maxwell equations?

A continuous laser therefore does not produce a long continuous and "linear" longitudinal electromagnetic "wave" but a collection of an extremely large amount of individual photons. A continuous laser thus will launch in time those individual photons: photons therefore are leaving at the now time instance the laser and photons launched at a past time instance of course are already travelling through real space at high speed at a very large distance from the laser. A laser can also be modulated to create a large series of very short laser pulses which then will travel also at an inter distance from one laser pulse to another laser pulse, in real space. Each laser pulse is simply a collection of a very large number of photons. That also contradicts the "linear" longitudinal electromagnetic "wave" character/model of light, as based on the Maxwell equations or the linear "laser beam" model and surely the ray-of-light model. The photon (quantum/particle) characteristics of light can be used to demonstrate the massive and fundamental modelling errors made by contemporary science in the history of science, still existing and still unaddressed up to now (April 2019) in contemporary science, despite the information and critiques being available since 2006 (see section 2).

The image shows two screenshots from Wikipedia. The left screenshot is the article for "Scientific paradigm", which includes a definition from the Oxford English Dictionary and a list of characteristics of a paradigm. The right screenshot is the biographical page for Thomas Kuhn, detailing his birth, death, education, and his influential 1962 book *The Structure of Scientific Revolutions*.

**Scientific paradigm** [edit] Paradigm - Wikipedia

Main articles: *Paradigm shift*, *Sociology of knowledge*, *Systemics*, *Commensurability (philosophy of science)*, and *Confirmation holism*  
See also: *Paradigm (experimental)* and *Scientific consensus*

The *Oxford English Dictionary* defines a **paradigm** as "a typical example or pattern of something; a pattern or model".<sup>[R]</sup> The historian of science Thomas Kuhn gave it its contemporary meaning when he adopted the word to refer to the set of concepts and practices that define a scientific discipline at any particular period of time. In his book, *The Structure of Scientific Revolutions* (first published in 1962), Kuhn defines a scientific paradigm as "universally recognized scientific achievements that, for a time, provide model problems and solutions for a community of practitioners,<sup>[R]</sup> i.e.,

- what is to be observed and scrutinized
- the kind of questions that are supposed to be asked and probed for answers in relation to this subject
- how these questions are to be structured
- what predictions made by the primary theory within the discipline
- how the results of scientific investigations should be interpreted
- how an experiment is to be conducted, and what equipment is available to conduct the experiment.

In *The Structure of Scientific Revolutions*, Kuhn saw the sciences as going through alternating periods of *normal science*, when an existing model of reality dominates a protracted period of puzzle-solving, and *revolution*, when the model of reality itself undergoes sudden drastic change. Paradigms have two aspects. Firstly, within normal science, the term refers to the set of exemplary experiments that are likely to be copied or emulated. Secondly, underpinning this set of exemplars are shared preconceptions, made prior to – and conditioning – the collection of evidence.<sup>[R]</sup> These preconceptions embody both hidden assumptions and elements that he describes as quasi-metaphysical:<sup>[R]</sup> the interpretations of the paradigm may vary among individual scientists.<sup>[R]</sup>

**Thomas Kuhn**

From Wikipedia, the free encyclopedia

**Thomas Samuel Kuhn** (1922–1996) was an American physicist, historian and philosopher of science whose controversial 1962 book *The Structure of Scientific Revolutions* was influential in both academic and popular circles, introducing the term *paradigm shift*, which has since become an English-language idiom.

Kuhn made several notable claims concerning the progress of scientific knowledge: that scientific fields undergo periodic "paradigm shifts" rather than solely progressing in a linear and continuous way, and that these paradigm shifts open up new approaches to understanding what scientists would never have considered valid before; and that the notion of "scientific truth, at any given moment, cannot be established solely by objective criteria but is defined by a consensus of a scientific community. Competing paradigms are frequently incommensurable; that is, they are competing and irreconcilable accounts of reality. Thus, our comprehension of science can never rely wholly upon "objectivity" alone. Science must account for subjective perspectives as well, since all objective conclusions are ultimately founded upon the subjective conditioning/worldview of its researchers and participants.

**Born** Thomas Samuel Kuhn  
July 18, 1922  
Cincinnati, Ohio, U.S.

**Died** June 17, 1996 (aged 73)  
Cambridge, Massachusetts, U.S.

**Alma mater** Harvard University

**Field** 20th-century philosophy

**Region** Western philosophy

Figure 3

In the history of science a large number of scientific paradigms (considered to be a paradigm within the according science's historical time interval) have been created by the human mind. That paradigm creation process was studied by Thomas Kuhn (Figure 3) and described in his

important book "*The Structure of Scientific Revolutions*". In that book Kuhn discusses the normal processes, active during the history of science, regarding the creation of a new paradigm, its development and growth and also its eventual decline, towards even becoming fully obsolete, in the case of a competition with a better or totally replacing new paradigm. Such is called a paradigm shift, which happened very often in the history of science. The history of science is spilling over with paradigm shifts and the abandonment of paradigms, often proven to be erroneous. The science "progression" during the history of science therefore does not show at all some kind of a continuous and very smooth evolution, as many scientists may assume erroneously, but rather shows a very "bumpy" road!

Regarding the evolution of paradigms and the paradigm shifts, it was Karl Popper (Figure 4) who stressed the important role of falsification of existing paradigms. According to Popper's opinion the falsification principle in science is much more important than a large series of "verifications". Also Einstein stated himself "*No amount of experimentation can ever prove me right, a single experiment can prove me wrong*", which clearly supports the importance of Popper's falsification principle. A falsification of a paradigm can be based on a clearly demonstrated anomaly which cannot be explained by the existing paradigm and which thereby reveals the flawed character of the paradigm. The anomaly can be a theoretical anomaly or an experimental anomaly.

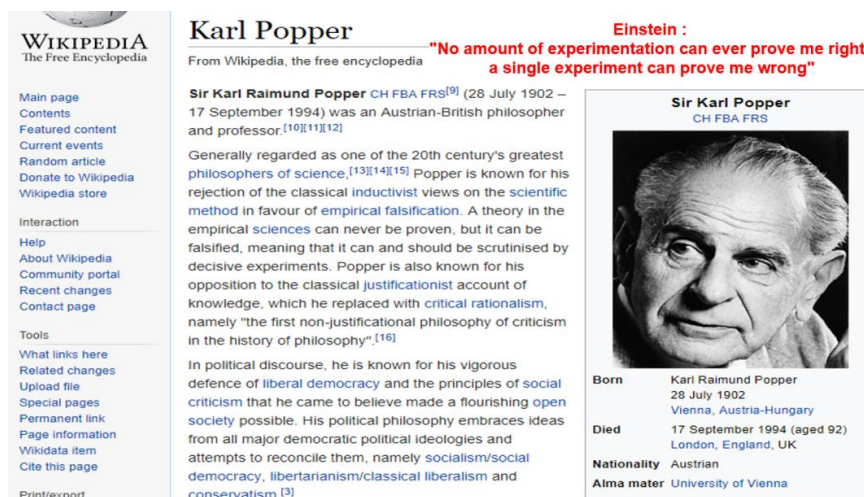


Figure 4

In this publication the contemporary paradigm of the ray-of-light, as used up to now in fundamental research on light phenomena in physics, is shown to be totally flawed. The video presentation (consisting of video Part 1 and video Part 2), as referenced above, is the core topic of this publication, revealing the flawed character of the ray-of-light principle (the latter still being defended by contemporary science, even in this time era at the beginning of the 21st century!).

The ray-of-light principle is indeed used and not questioned at all by contemporary science, with respect to multiple fundamental contemporary paradigms, such as the Michelson and Morley, so-called, null result paradigm (Figure 5). Michelson and Morley indeed used an over-simplistic mathematical ray-of-light model, as a graphical representation of the light phenomena in their world famous fundamental research experiment. The problem however is that their simplistic graphical representation is totally flawed since the ray-of-light paradigm itself is totally flawed (See references D4 and D5). Contemporary science is however still embracing e.g. that Michelson and Morley model (Figure 5), fully based on the simplistic ray-

of-light principle.

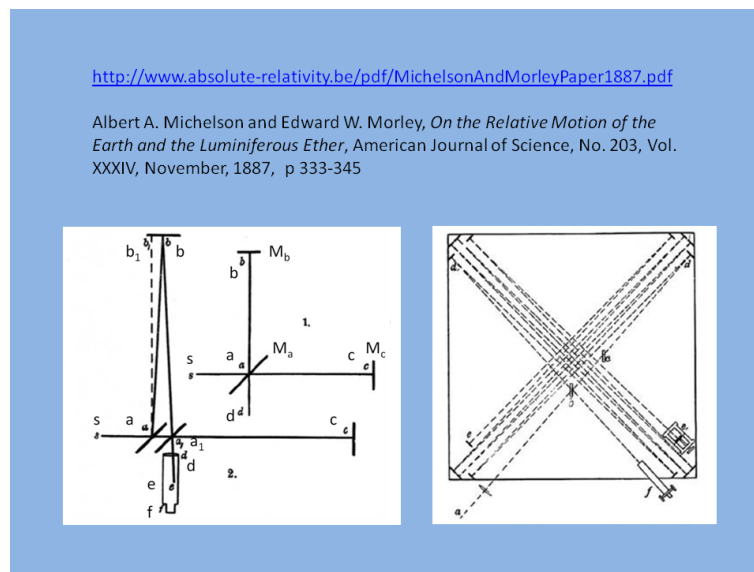


Figure 5

It is indeed very easy to introduce two straightforward laser examples, clearly revealing the flawed character of the ray-of-light model/concept, as used in contemporary physics. The first example of a massive theoretical anomaly is based on a moving laser. The second example of a massive theoretical anomaly is based on a rotating laser. Both examples are the subject of the video Part 1, as indicated above and as discussed in section 3 of this publication. From the visuals and the oral explanation, the video presentation is expected to enhance the information transfer with respect to the existence of the massive anomalies, regarding an important number of contemporary paradigms, based on light.

## 2. Preceding publications

The core of this publication is thus the video, as indicated above, and discussed in section 3. It is important to point also to the preceding publications, on which the video is based and mentioned here in a chronological order:

I) a patent text on the concept of a RVMD (Real Velocity Measuring Device) (2006)

II) a website [www.absolute-relativity.be](http://www.absolute-relativity.be) (2010-)

III) YouTube videos (2010-)

IV) a book of about 450 pages *"A shattered Equivalence Principle in Physics and a future History of multiple Paradigm Big Bangs in "exact" science ?"* (2013-) (reference D1)

V) a project at ResearchGate *"Karl Popper's type of falsification, through theoretical and experimental anomalies, of multiple contemporary paradigms based on light phenomena."* (2017-) which includes a series (references D2-D11) of specific (short) publications/communications, extracted from the book.

<https://www.researchgate.net/project/Karl-Poppers-type-of-falsification-through-theoretical-and-experimental-anomalies-of-multiple-contemporary-paradigms-based-on-light-phenomena>

VI) an introductory/overview publication through this link:

[http://www.absolute-relativity.be/pdf/SignPost\\_Photons\\_EBrauns.pdf](http://www.absolute-relativity.be/pdf/SignPost_Photons_EBrauns.pdf)

or through [https://drive.google.com/open?id=1ktENk1uCbja9Q3kG\\_a1gdDrKVP8mmOX](https://drive.google.com/open?id=1ktENk1uCbja9Q3kG_a1gdDrKVP8mmOX)

The reader is also advised to have a look at all of this information. Regarding the book: you can visit the Home page of the website [www.absolute-relativity.be](http://www.absolute-relativity.be) in order to obtain the book. All the information within the patent text and within the book was registered in front of a notary at that time, in order to protect the author's claims and author's rights.

### **3. Video presentation based on photons, revealing the flawed character of the simplistic ray-of-light principle in contemporary science**

The main subject of this publication is a video presentation (2019) as a series of two videos Part 1 and Part 2:

**Part 1:** [http://www.absolute-relativity.be/video/Part1\\_Anomalies\\_Theortcl\\_E\\_Brauns.mp4](http://www.absolute-relativity.be/video/Part1_Anomalies_Theortcl_E_Brauns.mp4)

or: <https://drive.google.com/open?id=1OOnAZGt4eWFM1pd5dVThVHe7pc6DRHSg>

**Part 2:** [http://www.absolute-relativity.be/video/Part2\\_Anomalies\\_Exprmtl\\_E\\_Brauns.mp4](http://www.absolute-relativity.be/video/Part2_Anomalies_Exprmtl_E_Brauns.mp4)

or: <https://drive.google.com/open?id=1d0b6owXTCGi2UKHBQYs63Z0Cz6Kai0Bv>

In the video Part 1 two straightforward examples are clearly demonstrating two massive theoretical anomalies.

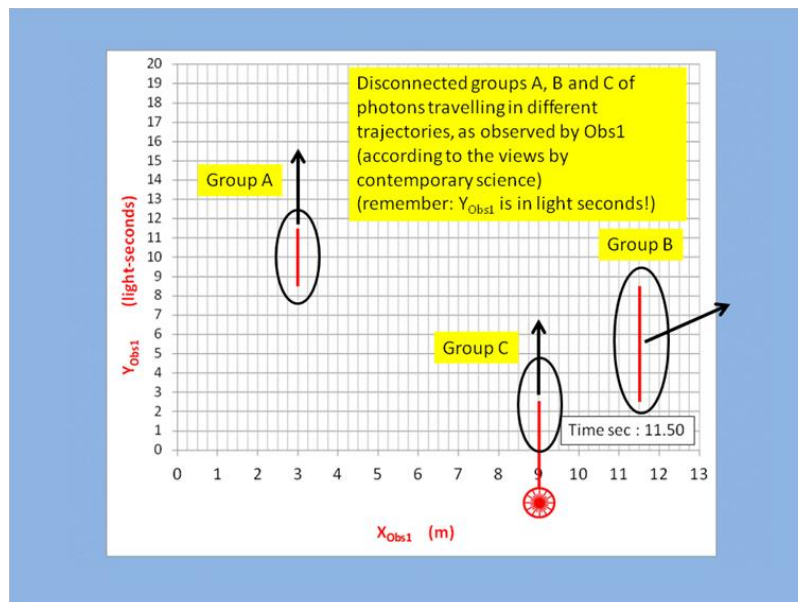


Figure 6 A still image of the massive anomaly, demonstrated through a moving laser

The first example is based on a horizontally moving laser and is discussed in detail (including the animated graphical model) within the video Part 1 (specifically from the time stamp of 17minutes49seconds to 26minutes38seconds, but of course it is advised to also watch first all the information, presented before that time stamp of 17minutes49seconds). Fig. 6 shows a still image of the end-result of the animation ((see the full animation of the contemporary science model in the video Part 1), demonstrating the massive anomaly caused by the

contemporary views about light-phenomena. In the moving laser example the so-called laser beam will defragment into three segments, all on the basis of the views within contemporary science. Therefore contemporary science proves itself, through the massive anomaly, to have totally flawed and inconsistent views on light phenomena in that respect.

The second example is based on a rotating laser and is discussed in detail (including the animated graphical model) within the video Part 1 (specifically from the time stamp of 31minutes47seconds to 42minutes03seconds but of course it is also advised to watch all the other information within the video Part 1).

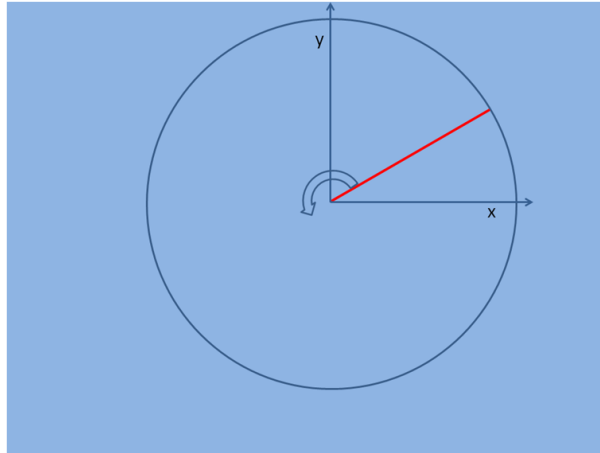


Fig. 7 A still image of the simplistic and flawed ray-of-light model, as defended by contemporary science

Fig. 7 shows a still image (see the full animation of the contemporary science's model in the video Part 1) of the linear laser "beam" model linked to a rotating laser which is located in the origin (0,0) of the reference frame. Contemporary science defends this model, based on its simplistic ray-of-light view, thus as the laser "beam" model, rotating as a simple straight line around the reference frame origin (0,0). That simplistic model obviously leads to a massive anomaly and inconsistency, as clearly explained in the video Part 1.

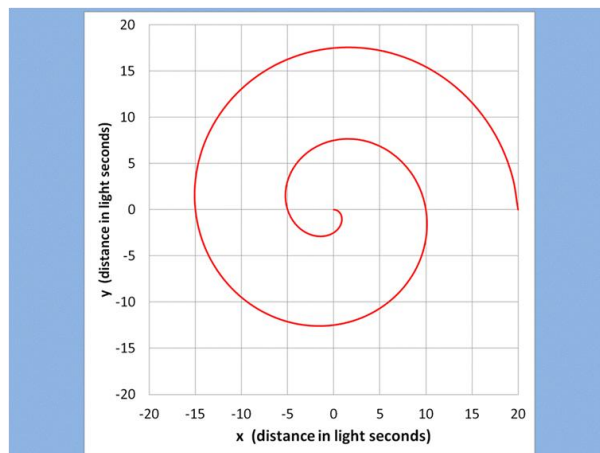


Figure 8 A still image of the massive anomaly, demonstrated through a rotating laser

Fig. 8 then shows a still image (see the full animation of the contemporary science model in the video Part 1) of the location status of the photons, produced during 20 seconds by the rotating laser, at the time instance of 20 seconds. From Fig. 8 it is very obvious that the ray-

of-light model or the linear laser beam model, as defended by contemporary paradigm believers, it totally wrong since in reality the collection of, radial outward travelling, photons can be clearly represented graphically as a dynamic spiral. The simplistic linear straight-line model in Fig. 7 (see also the animation in the video Part 1), as claimed by contemporary science, thus obviously is totally flawed.

In the video Part 2, even an experimental proof is presented through a straightforward laser experiment. That laser experiment and the massive consequences are of course also explained broadly in the preceding publications as indicated in section 2.

#### **4. Goal and consequences**

The two massive theoretical anomalies demonstrated on the basis of a moving laser example and a rotating laser example are in fact already sufficient and convincing evidence in order to eradicate several existing contemporary paradigms based on light. Information on the flawed paradigms can be found in the preceding publications as indicated in section 2. The titles of the referenced publications (references at the end of this publication) indicate the specific flawed paradigms. Also an overview of the content of those publications is presented in a SignPost review publication that can be downloaded, as a pdf document, through the following link: [http://www.absolute-relativity.be/pdf/SignPost\\_Photons\\_EBrauns.pdf](http://www.absolute-relativity.be/pdf/SignPost_Photons_EBrauns.pdf) or through: [https://drive.google.com/open?id=1ktENk1uCqbj9Q3kG\\_a1gdDrKVP8mmOX](https://drive.google.com/open?id=1ktENk1uCqbj9Q3kG_a1gdDrKVP8mmOX)

The final goal is an urgent call to an university or a research centre, regarding an independent re-performing of the specific, but really straightforward, laser experiment explained in the video Part 2 (see section 3). That straightforward, laser experiment was already explained extensively and much earlier over the years, in the multiple formats of publications, as listed in section 2 of this publication. Such a laser experiment was performed multiple times showing the same result over and over in a consistent and reproducible way.

The result of the laser experiment represents a massive experimental anomaly, thus a massive Karl Popper's type of falsification of multiple CS paradigms based on light/photons (references D1 - D11). The confirmation of that experimental result thus will support the claim that multiple CS paradigms based on light/photons are totally flawed and need to be reconsidered/abandoned. The so-called multiple "verification" experiments "proving" such paradigms then indeed need to be re-investigated to determine the cause of their flawed conclusions. The history of science is spilling over with "verified" but, at long last, flawed scientific "paradigms" which became falsified and thereafter became totally obsolete, as was clearly demonstrated by Thomas Kuhn in his research.

#### **5. Attempt to submit a publication of the moving laser anomaly and the rotating laser anomaly**

It should be mentioned here that there were multiple contacts over the many preceding years, with multiple persons and organizations, in attempting to disseminate broadly the information in the format of publications in scientific Journals (information as indicated in section 2 of this publication). Up to now none of the persons contacted was able to counter the obvious anomalies. Most of those persons then simply went into a hiding-in-silence mode/strategy, as the ultimate avoidance technique. Some of them promised to deliver ASAP a counter proof but none of them ever did. Indeed, silencing things to death is a very efficient strategy. In section 13 of D1 (see D1 in the references at the end of this publication) a broad report can be



found on that.

The information was however of course discussed in detail with multiple colleagues and friends (all university degree) who thereafter all supported the views, as presented in the publications mentioned in section 2. Even a physicist having a PhD degree and working in a renowned industry, linked to research in space programs, was contacted and was shown a presentation. He fully agreed with the reasoning on the basis of photons and could see no errors in the reasoning.

An additional attempt with respect to a publication in a Journal was initiated on February 28, 2019 after the creation of the two video presentations Part 1 and Part 2 (section 3) by sending a mail to a number of main editors of important Journals (indicated in Table 1). In that mail the editors were asked to have a look at the video presentation (indicated in section 3) with an emphasis on the Part 1 video and the disclosure of the moving laser anomaly and the rotating laser anomaly. A request to them was formulated to ask for a feedback and an opportunity to submit a publication to one of those Journals, revealing the very clear and massive anomalies linked to a moving laser and/or a rotating laser. Up to this date (April 2019) of this version of this publication, no reaction or feedback whatever was received, notwithstanding the stringent proof and scientific importance of the clear existence of the massive anomalies, linked to the moving laser and the rotating laser. The moving laser anomaly example has already a high proof content of the existence of an insurmountable, massive anomaly but the rotating laser example still has even a higher and very obvious proof content.

The part I video and the rotating laser anomaly was also pointed to towards Sabine Hossenfelder, as the author of the book "*Lost in Math : How Beauty Leads Physics Astray*". A mail was sent to her on April 12, 2019 to ask for her opinion about the massive rotating laser anomaly. A response from her is also awaited for. The title of her book "Lost in Math" is applicable here since I reveal in my publications the massive and fundamental mathematical error that was made, and still is made by contemporary science, in the graphical representation (/modeling) in a moving reference frame of the past location of a photon, moving in real space.

That truth should be accepted in the end. As Newton stated "*Truth is ever to be found in simplicity and not in the multiplicity and confusion of things*". I could myself state "*An emerging but seemingly inconvenient scientific truth is ever tried to be silenced to death by contemporary paradigm believers and defenders, as their reaction to its shocking simplicity and will be suffocated in the multiplicity and confusion of contemporary flawed, erroneous paradigms.*" The additional and very important acceptance of the experimental anomaly, as revealed in the video Part 2, and an independent re-performance of that type of straightforward laser experiment (by an university or a research centre), as described in the video Part 2, will however end that suffocation in due course and lead to the normal paradigm shift processes as described by Thomas Kuhn. A supportive response from the contacted persons (indicated in this section) is awaited for and would obviously very helpful in the normal paradigm evolution processes, as described by Thomas Kuhn.

## **6. Conclusion**

The information on the existence of massive anomalies with respect to a series of contemporary paradigms, based on light is already there for many years (as indicated in section 2 of this publication). That information is very important since the theoretical and experimental anomalies clearly expose multiple contemporary paradigms, as being totally

flawed. The necessary and perfect normal paradigm shift processes, as described by Thomas Kuhn, however seem to be ignored on a global scale up to this date (April 2019) through an efficient "*hiding in silence*" strategy. This extremely contrasts with the so-called and advocated open-mind stance in science. The hiding in silence approach with respect to the clear and massive anomalies is a very efficient way for contemporary paradigm believers and defenders in order to be able to stay glued inside their comfortable contemporary paradigm boxes. Such however does not help at all with respect to the original goal of science: getting as near as possible to the truth in physics (cfr what Max Planck wrote in his biography on that kind of denial strategy, at that time, by important scientists (professors) that he encountered and who he tried to convince, in vain, with respect to the high importance of his new theories; a denial which he called the most painful experience in all of his life). Getting as near as possible to the truth is in trying to mathematically model (as a human mind's activity) the real phenomena in real space as good as possible and to save those phenomena, occurring in real space, in the mathematical modelling and graphical representation by the human mind. It is however demonstrated in the publications mentioned in section 2 that there exists a massive and basic mathematical error in the human thought process with respect to the description of light phenomena. That error exists already for about 150 years. The important revealing of that error dates from 2006 but nevertheless the contemporary paradigm believers and defenders seem to prefer to remain tenaciously aloof, up to this moment in time (April 2019).

**Table 1 Editors contacted by mail, regarding the obvious moving laser and rotating laser anomalies**

<b>Journal</b>	<b>Editor</b>
American Journal of Physics	Fred Kontur
"	Bridget D'Amelio
Annals of Physics	Brian Greene
"	Victor Galitski
"	Justin Khoury
Applied Physics Letters	Qing Hu
Journal of Applied Physics	André Anders
"	Christian Brosseau
"	Laurie McNeil
"	Simon Phillpot
Physica Scripta	Jan Wehr
Physical Review X	Felix Baumberger
"	Cindy Regal
Physical Review Applied	Stephen R. Forrest
"	Mark D. Stiles
Reports on Progress in Physics	George T Gillies
"	Masud Mansuripur
"	Horst-Guenter Rubahn
Reviews of Modern Physics	Vicky Kalogera
"	Klaus Mølmer
"	Igor Klebanov
"	Hiroaki Aihara
"	Pierre Ramond
"	Wim Leemans
"	David DiVincenzo
Nature	Karl Ziemelis
"	Gaia Donati
"	Luke Fleet
Science	Jake S. Yeston
"	Ian S. Osborne

## **References to the publications D1-D11**

**D1)** Etienne Brauns, *A shattered Equivalence Principle in Physics and a future History of multiple Paradigm Big Bangs in "exact" science ?*

This extended (notary registered) publication (book) can be downloaded at <http://www.absolute-relativity.be>

**D2)** Etienne Brauns, *On multiple anomalies and inconsistencies regarding the description of light phenomena in contemporary science*

Website : [http://www.absolute-relativity.be/pdf/MultipleAnomalies\\_EBrauns.pdf](http://www.absolute-relativity.be/pdf/MultipleAnomalies_EBrauns.pdf) (version including the Annex)

GoogleDrive: <https://drive.google.com/open?id=1dTWbiDxzmVnGUoCUwAdFziSi7AHY5Bd>

Researchgate:

[https://www.researchgate.net/publication/312190993\\_On\\_multiple\\_anomalies\\_and\\_inconsistencies\\_regarding\\_the\\_description\\_of\\_light\\_phenomena\\_in\\_contemporary\\_science](https://www.researchgate.net/publication/312190993_On_multiple_anomalies_and_inconsistencies_regarding_the_description_of_light_phenomena_in_contemporary_science)

[https://www.researchgate.net/publication/312591154\\_Annex\\_1\\_to\\_On\\_multiple\\_anomalies\\_and\\_inconsistencies\\_regarding\\_the\\_description\\_of\\_light\\_phenomena\\_in\\_contemporary\\_science](https://www.researchgate.net/publication/312591154_Annex_1_to_On_multiple_anomalies_and_inconsistencies_regarding_the_description_of_light_phenomena_in_contemporary_science)

**D3)** Etienne Brauns, *On a massive anomaly through a straightforward laser experiment falsifying the equivalence principle for light.*

Website : [http://www.absolute-relativity.be/pdf/ExperAnomLaser\\_EBrauns.pdf](http://www.absolute-relativity.be/pdf/ExperAnomLaser_EBrauns.pdf)

GoogleDrive: [https://drive.google.com/open?id=1Bpetv\\_AVwD9GKHsDHRNXFGhwYXrL8CST](https://drive.google.com/open?id=1Bpetv_AVwD9GKHsDHRNXFGhwYXrL8CST)

Researchgate :

[https://www.researchgate.net/publication/313030370\\_On\\_a\\_massive\\_anomaly\\_through\\_a\\_straightforward\\_laser\\_experiment\\_falsifying\\_the\\_equivalence\\_principle\\_for\\_light](https://www.researchgate.net/publication/313030370_On_a_massive_anomaly_through_a_straightforward_laser_experiment_falsifying_the_equivalence_principle_for_light)

**D4)** Etienne Brauns, *On the flawed Michelson and Morley experiment null-result paradigm*

Website : [http://www.absolute-relativity.be/pdf/MichelsonMorley\\_EBrauns.pdf](http://www.absolute-relativity.be/pdf/MichelsonMorley_EBrauns.pdf)

GoogleDrive: <https://drive.google.com/open?id=1ufWJMExPvfVbVPXMzHjxuMcrd4U6tzRM>

Researchgate :

[https://www.researchgate.net/publication/318969438\\_On\\_the\\_flawed\\_Michelson\\_and\\_Morley\\_experiment\\_null-result\\_paradigm](https://www.researchgate.net/publication/318969438_On_the_flawed_Michelson_and_Morley_experiment_null-result_paradigm)

**D5)** Etienne Brauns, *On a flawed Lorentz contraction paradigm caused by an erroneous Michelson-Morley model and null-result.*

Website: [http://www.absolute-relativity.be/pdf/Lorentz\\_EBrauns.pdf](http://www.absolute-relativity.be/pdf/Lorentz_EBrauns.pdf)

GoogleDrive: [https://drive.google.com/open?id=1pOFu4k30LRTt51F14dod\\_lnKM8BUJYOP](https://drive.google.com/open?id=1pOFu4k30LRTt51F14dod_lnKM8BUJYOP)

Researchgate :

[https://www.researchgate.net/publication/319128677\\_On\\_a\\_flawed\\_Lorentz\\_contraction\\_paradigm\\_caused\\_by\\_an\\_erroneous\\_Michelson-Morley\\_model\\_and\\_null-result](https://www.researchgate.net/publication/319128677_On_a_flawed_Lorentz_contraction_paradigm_caused_by_an_erroneous_Michelson-Morley_model_and_null-result)

**D6)** Etienne Brauns, *On the inconclusiveness of the results from the Eddington 1919 solar eclipse mission to measure the bending of light.*

Website: [http://www.absolute-relativity.be/pdf/Eddington\\_EBrauns.pdf](http://www.absolute-relativity.be/pdf/Eddington_EBrauns.pdf)

GoogleDrive: <https://drive.google.com/open?id=1H9Egu0fUrZeJGzJlqQsE99zrFX-aaPft>

Researchgate :  
[https://www.researchgate.net/publication/319262673\\_On\\_the\\_inconclusiveness\\_of\\_the\\_results\\_from\\_the\\_Eddington\\_1919\\_solar\\_eclipse\\_mission\\_to\\_measure\\_the\\_bending\\_of\\_light](https://www.researchgate.net/publication/319262673_On_the_inconclusiveness_of_the_results_from_the_Eddington_1919_solar_eclipse_mission_to_measure_the_bending_of_light)

**D7)** Etienne Brauns, *The Mercury perihelion precession: a critique on the anomaly and a plausible additional effect of the sun.*

Website: [http://www.absolute-relativity.be/pdf/Mercury\\_Anomaly\\_EBrauns.pdf](http://www.absolute-relativity.be/pdf/Mercury_Anomaly_EBrauns.pdf)

GoogleDrive: <https://drive.google.com/open?id=1I0-6fUuHFoVS41kaW7UXAs5xFZrknc6t>

Researchgate :  
[https://www.researchgate.net/publication/319395513\\_The\\_Mercury\\_perihelion\\_precession\\_a\\_critique\\_on\\_the\\_anomaly\\_and\\_a\\_plausible\\_additional\\_effect\\_of\\_the\\_sun](https://www.researchgate.net/publication/319395513_The_Mercury_perihelion_precession_a_critique_on_the_anomaly_and_a_plausible_additional_effect_of_the_sun)

**D8)** Etienne Brauns, *On the totally flawed contemporary light clock paradigm and on Paul Langevin's twin paradox being to the point.*

Website: [http://www.absolute-relativity.be/pdf/LightClock\\_EBrauns.pdf](http://www.absolute-relativity.be/pdf/LightClock_EBrauns.pdf)

GoogleDrive: <https://drive.google.com/open?id=1-EkK98IEY0-QrHX1KQdkrqFQftz0E9kK>

Researchgate :  
[https://www.researchgate.net/publication/320187876\\_On\\_the\\_totally\\_flawed\\_contemporary\\_light\\_clock\\_paradigm\\_and\\_on\\_Paul\\_Langevin%27s\\_twin\\_paradox\\_being\\_to\\_the\\_point](https://www.researchgate.net/publication/320187876_On_the_totally_flawed_contemporary_light_clock_paradigm_and_on_Paul_Langevin%27s_twin_paradox_being_to_the_point)

**D9)** Etienne Brauns, *On a device, measuring in real space the real velocity of an object and on Mach's flawed relativity thought experiment.*

Website: [http://www.absolute-relativity.be/pdf/RealVelocityDevice\\_EBrauns.pdf](http://www.absolute-relativity.be/pdf/RealVelocityDevice_EBrauns.pdf)

GoogleDrive: <https://drive.google.com/open?id=1Ccz0p7JCR5Hyv14pcrLhWjr2dj5dQTJ6>

Researchgate :  
[https://www.researchgate.net/publication/320417484\\_On\\_a\\_device\\_measuring\\_in\\_real\\_space\\_the\\_real\\_velocity\\_of\\_an\\_object\\_and\\_on\\_Mach%27s\\_flawed\\_relativity\\_thought\\_experiment](https://www.researchgate.net/publication/320417484_On_a_device_measuring_in_real_space_the_real_velocity_of_an_object_and_on_Mach%27s_flawed_relativity_thought_experiment)

**D10)** Etienne Brauns, *On Einstein's relativity of simultaneity thought experiment as a flawed contemporary paradigm.*

Website: [http://www.absolute-relativity.be/pdf/RelativSimult\\_EBrauns.pdf](http://www.absolute-relativity.be/pdf/RelativSimult_EBrauns.pdf)

GoogleDrive: <https://drive.google.com/open?id=1NV3BMvCA1goLWIFEIzcEkGxvHOc1EM-k>

Researchgate :  
[https://www.researchgate.net/publication/320740411\\_On\\_Einstein%27s\\_relativity\\_of\\_simultaneity\\_thought\\_experiment\\_as\\_a\\_flawed\\_contemporary\\_paradigm](https://www.researchgate.net/publication/320740411_On_Einstein%27s_relativity_of_simultaneity_thought_experiment_as_a_flawed_contemporary_paradigm)

**D11)** Etienne Brauns, *On a significant systematic measurement error during photon based theodolite observations and also during hunting rifle scope based targeting.*

Website: [http://www.absolute-relativity.be/pdf/Theodolite\\_Scope\\_SystError\\_EBrauns.pdf](http://www.absolute-relativity.be/pdf/Theodolite_Scope_SystError_EBrauns.pdf)

GoogleDrive: <https://drive.google.com/open?id=1vNqjeIwrZygy7TP3ERkF4G8x1-4-tuUI>

Researchgate:

[https://www.researchgate.net/publication/318684761\\_On\\_a\\_significant\\_systematic\\_measurement\\_error\\_during\\_photon\\_based\\_theodolite\\_observations\\_and\\_also\\_during\\_hunting\\_rifle\\_scope\\_based\\_targeting](https://www.researchgate.net/publication/318684761_On_a_significant_systematic_measurement_error_during_photon_based_theodolite_observations_and_also_during_hunting_rifle_scope_based_targeting)