

BRIEF SUMMARY OF THE TREATISE

It is absolutely necessary for every reader to first read and fully understand the Preamble to this treatise. The Preamble vividly describes (in Einstein's own words) his monumental confusion concerning Maxwell's 1865 law for the constant velocity of a light ray at c (300,000 kilometers per second) through a vacuum. Einstein's confusion about Maxwell's law is the key to understanding everything about Special Relativity that follows.

Part I of this treatise (entitled '*The Lead up to Special Relativity*') is in general a brief description of certain relevant aspects of that which is now called, 'Classical Physics.' However, Part I also contains many revelations and little-known facts about physics that are critical for a full understanding (even by a physicist) of the treatise as a whole. Three themes play a major role in Part I.

First, there was the development of the principles of mechanics (matter in motion), and the difficulties and paradoxes that were encountered in trying to relate the new and very different phenomena of electromagnetism to such mechanical principles.

Secondly, there was the mythical substance of ether, which was invented *ad hoc* in the early 19th century in an attempt to understand and explain the mysteries of electromagnetism. By the beginning of the 20th century, this mythical substance of ether had created many very serious problems and paradoxes for physics, some of which linger on into the 21st century.

Thirdly, and possibly most importantly, there were the beginnings of the continuing myth that mathematics is invincible in physics, and that from algebraic formulas and geometrical diagrams all of the physical mysteries of nature can be

discovered, understood and confirmed. For example, 19th and early 20th century mathematical formulas absolutely confirmed that 'ether' and its theoretical physical consequences actually exist, but it is now known that empirically they do not exist.

Part II of this treatise (entitled '*The Unnecessary Special Theory of Relativity*') will demonstrate in great detail that Einstein's Special Theory of Relativity (like the 'ether theory' before it) was based on several monumental false premises, and why such Special Theory and all of its mathematical consequences are physically and empirically invalid. Part II will also demonstrate that, in fact, there are no experimental confirmations of Special Relativity and its consequences, and that many other mathematical theories which purport to confirm Special Relativity and its mathematical consequences are themselves either highly dubious, unconfirmed and/or empirically invalid.¹

Typically with Special Relativity, as with many other mathematical theories concerning physical processes, whenever imagined physical phenomena can (by computation) be construed to be mathematically true, they can thereafter be 'conjectured' to exist physically, even without any empirical substantiation. At this point, a race is often begun by eager experimentalists to 'confirm' such mathematical phenomena by *ad hoc* hypothetical interpretations of any available experimental data. Because many of these so-called confirmations cannot be tested, they are merely assumed to be correct.² This arbitrary and unscientific process, of course, results in countless empirically invalid self-fulfilling prophecies for physics, cosmology and other scientific disciplines.

¹ The author is quite aware that most mathematical physicists will consider the revelations contained in this treatise to be very unwelcome.

² We will 'debunk' many of these so-called confirmations of Special Relativity throughout the treatise, and especially in Chapters 36, 37 and 38.

Once established, these mathematical theories, their mathematical consequences, and the meaningless phenomena which they describe become the foundations for further imagined physical phenomena, predictions and other new mathematical theories. Thus this unscientific cycle endlessly repeats itself. Are physics, science, reality and humanity served by this arbitrary, artificial and meaningless process?

The 42 chapters which comprise this treatise will be added to this website in sequential order during the calendar years 2009 and early 2010. Please see the Table of Contents for a complete list of chapter titles and links to chapters. Part I should be read (even by the physicist) in order to fully understand Part II, and all footnotes should be read for a full understanding of the text. Because this treatise is intended to be read and understood by the intelligent and inquisitive lay reader (as well as the scientist), it is light on mathematics and heavy on factual, logical and empirical explanations.

The '*Relativity of Light*' has been a monumental project for the author and his small staff during the last 10 years, and the author solicits constructive criticism, suggestions and critiques from the readers. Especially welcome are suggested changes, additions, and their authoritative sources. The main goals of the treatise are to expose and explain the critical flaws in existing theories, experiments and interpretations, and to attempt to determine and disclose truth and reality. Please email any comments or inquiries to Info@RelativityofLight.com.