



Ebook Directory
the best source of ebook

The book was found

Understanding Tesla



Synopsis

Nikola Tesla is known for his ingenious inventions, which gave humanity the opportunity to have at their disposal and apply daily a wonderful kind of energy called electricity. However, the most intriguing is the invention of transformer, named after him, that he could not use in his lifetime, overflowing with myths and assumptions. Since its creation, more than a century has passed, but they not only did not find the application, but also supplemented by new speculations. At present, more and more people are interested in the possibility of creating fuel-free generators of electricity based on Tesla generators. A special discussion causes the possibility of creating such a kind of generators, therefore itâ€™s paid a special attention to this question in the book. There are presented analogies from other branches of science and technology to explain the opportunities and reality of their creation. Nicolae Covalenco was able to give a systematic explanation of the processes occurring in the Tesla transformer for the first time in over one hundred years passed since the invention was made. It is the result of many years of intensive work. I had to learn not only the scientific results of generations of researchers in the field of electricity, but also in other areas, such as aerodynamics and fluid dynamics, thermodynamics, and others. They were necessary for analogies and comparisons, in order to more universal understanding of natural phenomena and clear presentation of my vision. The book provides a necessary and well-illustrated information for the understanding the processes occurring in the Tesla transformer. This refers to the electrical charges, electrodynamic shock and corona, and the analogies to the phenomenon of water hammer and the hydraulic ram. Detailed are discussed the opportunities of creation of machines with an efficiency greater than 100%. The analysis of the heat pump and fuel less generator based on Tesla transformer is provided. The central place in the book is given to the step-by-step analysis of our contemporaries results, supporting one or another conclusion of the author. Each conclusion is illustrated with photographs and drawings, which greatly facilitates the understanding of the physical processes. Author deliberately avoided the use of mathematical apparatus for this purpose. Scientific understanding of the processes will help new generations of scientists and inventors to increase the intellectual wealth left by Nikola Tesla to humanity. To this end, the book provides detailed explanations of the phenomena occurring in each element of the transformer, based on modern experimental concrete examples taken from the open sources, the author's experiments, as well as N. Teslaâ€™s experiments and explanations. Author outlined his vision in an accessible form for understanding not only by people, who have special training in the field of electricity, but also those, who have a basic knowledge in this field, students studying electricity, enthusiasts, able to enhance their knowledge penetrating the essence of the phenomena described in the book, as well as a wide

range of readers interested in the works of N. Tesla and his life.

Book Information

File Size: 21234 KB

Print Length: 419 pages

Publication Date: November 1, 2016

Sold by: Digital Services LLC

Language: English

ASIN: B01MDULB28

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Enabled

Screen Reader: Supported

Enhanced Typesetting: Enabled

Best Sellers Rank: #1,224,201 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #48

in Books > Engineering & Transportation > Engineering > Reference > Research #675 in Kindle Store > Kindle eBooks > Engineering & Transportation > Engineering > Electrical & Electronics > Electricity Principles #2507 in Kindle Store > Kindle eBooks > Nonfiction > Science > Technology > General & Reference

Customer Reviews

The book helped me to understand the difference between Hertz's H^{TM} s and Tesla's T^{TM} s waves due to the detailed explanation of their nature. The ongoing process of air ionization, molecule and electron recombination makes the energy reserve unlimited. Now I realize why Tesla was saying that we live in a sea of energy. The problem is how to extract it. The book's H^{TM} s author gives some fundamentals on how to achieve it. I hope that he will continue the writings in this field. It is an uncommon way in which the author is thinking. He makes similarities of the electric processes to the hydraulic processes for an easier understanding. Closer analysis of electric charge behavior make the reader realize that electrostatic energy is around us in a huge quantity. Another thing that I would like to mention is the discussion of transforming the Hertz discovery in a communication technology invented by Marconi, as well as the explanation why Tesla did not manage to implement his wireless technology.

A very helpful book. It explains not only the processes taking place in the Tesla coil step-by-step, illustrating each affirmation by pictures, but also gives similar comparisons from other than electricity fields. The author makes unexpected and uncommon conclusions that are proved by facts. It seems to me that the most interesting conclusion is about the opportunity to build generators by extracting electricity from the environment. Did we come to the time when everyone will be able to provide themselves with the necessary energy at any point on the globe? It like a very profound conclusion. It could be very useful for all people interested in this topic.

Great book! Easy to read, tons of interesting facts. A great addition to any collection.

Recommended.

[Download to continue reading...](#)

The Tesla Legacy (Joe Tesla Series Book 2) TESLA for Beginners: Who was Nikola Tesla? The Genius Who Gave Us Light Understanding Tesla Elon Musk: Tesla, SpaceX, and the Quest for a Fantastic Future Empires of Light: Edison, Tesla, Westinghouse, and the Race to Electrify the World Nikola Tesla: Prophet Of The Modern Technological Age Wizard: The Life and Times of Nikola Tesla: Biography of a Genius Elon Musk: How the Billionaire CEO of SpaceX and Tesla is Shaping our Future My Inventions: The Autobiography of Nikola Tesla Nick and Tesla's Robot Army Rampage: A Mystery with Hoverbots, Bristle Bots, and Other Robots You Can Build Yourself Electrical Wizard: Candlewick Biographies: How Nikola Tesla Lit Up the World Biography: 10 Biographies and Memoirs: Richard Branson, Elon Musk, Jeff Bezos, Sam Walton, Howard Hughes, Nikola Tesla, Walt Disney, Benjamin Franklin, Genghis Khan, Abraham Lincoln Electrical Wizard: How Nikola Tesla Lit Up the World The Human Side of Science: Edison and Tesla, Watson and Crick, and Other Personal Stories behind Science's Big Ideas Secrets of Antigravity Propulsion: Tesla, UFOs, and Classified Aerospace Technology Elon Musk: Life Story and Life Lesson of Future, Business, Success and Entrepreneurship (Elon Musk, Ashlee Vance, Tesla, Entrepreneurship, SpaceX, Bill Gates, Mark Cuban) The ULTIMATE Tesla Coil Design and Construction Guide (Electronics) Tesla Vs Edison: The Life-Long Feud that Electrified the World Nikola Tesla: A Life From Beginning to End Angels Don't Play This Haarp: Advances in Tesla Technology

Contact Us

DMCA

Privacy

FAQ & Help