

Wireless Power

Mainstream Physics Recognizes Concept of Electromagnetic Resonance

Assistant Professor Marin Soljatic and his colleagues at the Massachusetts Institute of Technology have published the results of a study in which a system for wireless transmission of electrical power has been successfully modeled using accepted mathematical and theoretical techniques.

Too Many Chargers

"There are so many autonomous devices such as cell phones and laptops that have emerged in the last few years," Dr. Soljatic told BBC Science & Technology reporter Jonathan Fildes. "We started thinking, 'it would be really convenient if you didn't have to recharge these things'."¹

Dr. Soljatic's team found a solution well known to scalar energy researchers; electro-magnetic vibration resonance. Merriam-Webster defines re-sonance as "vibration of large amplitude in a mechanical or electrical system caused by a relatively small periodic stimulus of the same or nearly the same period as the natural vibration period of the system".² More simply stated, it's the tendency for an object or wavelength to vibrate more actively when external energy of a matching frequency is applied - even if the external energy is quite small.

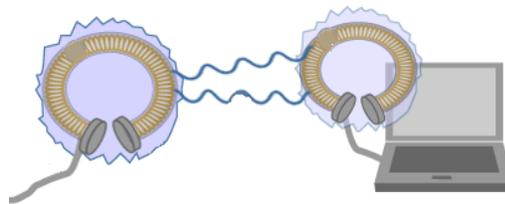
"When you have two resonant objects of the same frequency they tend to couple very strongly," Professor Soljatic told the BBC News website.³

Examples of resonance can be found in all walks of life, as with stringed musical instruments like guitars and violins.

"When you play a tune on one, then another instrument with the same acoustic resonance will pick up that tune, it will visibly vibrate," Dr. Soljatic explained.⁴

The system developed by the team at the Massachusetts Institute of Technology exploits the resonance of electromagnetic waves rather than acoustic vibrations. Typically, radio antennas and other systems that transmit electromagnetic radiation are not suitable for efficient energy transfer due to their tendency to scatter, disperse and ultimately waste energy in all directions.

To overcome this critical flaw, the team investigated a special class of "non-radiative" objects that exhibit "long-lived resonance".



Electricity may be transmitted spontaneously between antenna with matching resonate properties.
Photo: BBC News Web Site -
<http://tinypic.com/va76z>

When energy is applied to non-radiative objects it remains bound to them, rather than escaping to space. "Tails" of energy, which can be several yards long, flicker over the surface.⁵

"If you bring another resonant object with the same frequency close enough to these tails then it turns out that the energy can tunnel from one object to another," said Professor Soljatic.

In this way, a simple copper antenna designed with long-lived resonance could transfer energy to a laptop with its own antenna resonating at the same frequency. With a theorized range of 9 to 15 feet the portable computer could truly become wireless.⁶

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Nikola Tesla's Dream of Wireless Power



Tesla's 180 foot tall tower -
Wardenclyffe, New York, 1904.
Photo: UFOlogie.net
<http://tinvurl.com/v8kohz>

Transmission of electricity is certainly not a new idea. All the way back in 1904, the famed inventor Nikola Tesla was building a tower designed for the transmission of electrical power *and* information.

Tesla was a fantastic visionary whose contributions to the disciplines of electricity,

magnetism and engineering in the late 19th and early 20th century literally electrified the world. In the course of accumulating an astounding 1,200 worldwide patents, he single-handedly designed the alternating current (AC) motors and electric power distribution system that were so pivotal to the launch of the Second Industrial Revolution and life as we know it today.⁷

Other well known inventions included the induction motor, fluorescent lighting and the first electromagnetic energy transmitter, an immediate predecessor to Marconi's first radio demonstrations for the British government in 1896.^{8, 9} This fact forced the United States Patent Office to uphold Tesla's claim to the original radio patent (#645,576) in 1943 — a few months after his death.¹⁰

Tesla believed that usable electricity could be transmitted as well. By 1904 he had built a 180 foot tall experimental tower in Wardenclyffe, New York, which was intended to be the first of a global network of communication and electrical power transmitters. Tesla spoke of its potential in the New York Times:

"When the great truth, accidentally revealed and experimentally confirmed, is fully recognized, that this planet, with all its appalling immensity, is to electric currents virtually no more than a small metal ball and that by virtue of this fact many possibilities, each baffling imagination and of incalculable consequence, are rendered absolutely sure of accomplishment; when the first plant is inaugurated and it is shown that a telegraphic message, almost as secret and

non-interferable as a thought, can be transmitted to any terrestrial distance, the sound of the human voice, with all its intonations and inflections faithfully and instantly reproduced at any other point of the globe, the energy of a waterfall made available for supplying light, heat or motive power, anywhere--on sea, or land, or high in the air--humanity will be like an antheap stirred up with a stick. See the excitement coming!"¹¹

A man decades ahead of his time, Tesla's Wardenclyffe tower never became operational due to the withdrawal of funding by key investor J.P. Morgan after the stock market crash of 1905.¹²

A century later it would be easy to conclude that his vision for a wireless communication grid generated by a network of towers had been realized with today's cellular telephone network. But if you carefully consider his quote, it was plain that he was talking about something far more profound — Tesla was actually describing the discovery of the four-dimensional longitudinal electromagnetic waves and the "zero-point" standing wave that he dubbed "scalar energy".¹³

Scalar Energy — The Missing Link

Tesla had discovered that longitudinal electromagnetic wavelengths could not only be transmitted between tower stations equipped with matching resonate properties, but the electrical inputs multiplied many times over due to the amplifying properties of resonance.¹⁴ Tesla had also realized that he could piggyback encoded information in these wavelengths in the form of human voices and other realistic sounds at a time when telegraphic dots and dashes were considered state of the art in telecommunications.

Far more importantly, Tesla had tapped the secret of "zero-point" energy, the unbelievable energy that binds the heart of every atom.¹⁵ Modern electromagnetic physics has proven that all electrons, protons, and other subatomic particles exist in a state of continuous motion and unbelievable energy even though to us they may feel solid, stable and unmoving. The energy to fuel all this motion is continually moving, accordion-like, in and out of the three dimensional existence that define our world, truly

"the energy of a waterfall" Tesla described in the New York Times.¹⁶

While all of the particles are universal and uniform - the electrons in an apple are the same as the electrons in a steel girder - the patterns in which these subatomic particles move and the longitudinal frequencies at which they resonate dictate which tangible, physical shapes are manifested in the "real" world. For this reason, the composite scalar frequency of a compound is like a universal blueprint that defines the motion and arrangement of the subatomic particles in each specific element or compound. Set those particles spinning in the order, direction and speed specified in that blueprint using the limitless power at the heart of the living atom and you will have that same steel girder whether you are in New York City, Paris, or the surface of the moon!

Tesla had discovered that he could transmit and receive powerful radio signals with his newly developed "Tesla coils" when they were tuned to resonate at the same frequency.¹⁷ With discovery of transdimensional longitudinal waveforms, Tesla realized that it was also possible to resonate the heart of any atom over an unlimited amount of distance and in any direction by using that universal blueprint, or subtle energy field, as the tuning frequency.¹⁸

Radionics Detectors & Transmitters

This exactly describes the process by which the scalar transmitter we refer to as a radionic or Psychotronic instrument reaches out to bind a witness to the object from which it was pulled.

Take the example of a sample of water and its binding to the tank from which it was drawn: First the tuning frequency of the water sample is detected by the coils in the input well, then it is quantified at the point of resonance between the trained operator's touch on the rub plate and the setting on the dials of the variable parallel plate capacitors. Finally, activating the transmission circuit broadcasts the water sample's subtle energy field (tuning frequency) back to the source via longitudinal waveform.

The radionic researcher is also free to modify the subtle energy frequency that defines the state of the water in that tank through the addition or subtraction of other elements, compounds or energy patterns that have been identified

through the same detection process. In this way, the researcher is able to directly impact the state of matter at the subatomic level due to application of the concept of electromagnetic resonance.

Though conventional researchers like Marin Soljacic and unconventional physicists like Tom Bearden* are converging on the answer, today Tesla's dream of limitless power from the unbroken atom has yet to be fully realized in the public domain, his discoveries lost after the nervous breakdown he suffered following the crash of 1905. "It is not a dream," he protested at the time. "It is a simple feat of scientific electrical engineering, only expensive... blind, faint-hearted, doubting world."¹⁹

In the meantime Tesla's dream of transmission and manipulation of information via longitudinal scalar waveforms has been fulfilled beyond his wildest imagination. In the course of the last century, pioneers in the field of radionics have devised, refined and continuously improved the quality of the scalar detection and transmission instruments to the affordable and easy to use state of technology we enjoy today.

* With four other scientists, Tom Bearden is the U.S. Patent holder for the Motionless Electromagnetic Generator.²⁰ To learn more about the work of Colonel Bearden and his colleagues please visit his web site at: www.cheniere.org.

1. Fildes, Jonathan (November 15, 2006); *Physics promises wireless power*. BBC News. From: <http://tinyurl.com/va76z>.
2. (2006); *Resonance*. Merriam-Webster Online. From: www.m-w.com/dictionary/resonance
3. Fildes, Jonathan (November 15, 2006); *Physics promises wireless power*. BBC News. From: <http://tinyurl.com/va76z>.
4. Ibid.
5. Ibid
6. Ibid
7. (November 2006); *List of Tesla patents*. Wikipedia. From: http://en.wikipedia.org/wiki/List_of_Tesla_patents
8. (November 2006); *Guglielmo Marconi*. Wikipedia. From: http://en.wikipedia.org/wiki/Guglielmo_Marconi.
9. (November 2006); *Nikola Tesla*. Wikipedia. From: http://en.wikipedia.org/wiki/Nikola_Tesla.
10. *Tesla - Life and Legacy*. PBS web site. From: www.pbs.org/tesla/ll/ll_whoradio.html
11. (March 27, 1904); "Cloudborn Electric Wavelets To Encircle the Globe: This Is Nicola Tesla's Latest Dream, and the Long Island Hamlet of Wardencliff Marvels Thereat." New York Times.
12. *Tesla - Life and Legacy- Tower of Dreams*. PBS web site. From: www.pbs.org/tesla/ll/ll_todre.html
13. Morgan, Bill (July 22, 2003); *Scalar Energy - A Completely New World Is Possible*. Rense.com From: www.rense.com/general39/scalarenergy.htm
14. *Tesla - Life and Legacy - Who Invented Radio?* PBS web site. From: www.pbs.org/tesla/ll/ll_whoradio.html
15. Morgan, Bill (July 22, 2003); *Scalar Energy - A Completely New World Is Possible*. Rense.com From: www.rense.com/general39/scalarenergy.htm
16. (March 27, 1904); "Cloudborn Electric Wavelets To Encircle the Globe: This Is Nicola Tesla's Latest Dream, and the Long Island Hamlet of Wardencliff Marvels Thereat." New York Times.
17. *Tesla - Life and Legacy*. PBS web site. From: www.pbs.org/tesla/ll/ll_whoradio.html
18. *Bearden, Tom; Broken Symmetry*. Tom Bearden Web Site. From: www.cheniere.org/references/brokensymmetry.htm
19. *Tesla - Life and Legacy- Tower of Dreams*. PBS web site. From: www.pbs.org/tesla/ll/ll_todre.html
20. *United State Patent #6,362,718*. See: <http://tinyurl.com/ygd8b3>