

Free Energy is a Self-Fulfilling Proposition **IF...**

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...a specific set of conditions are met (highlighted in yellow for your convenience), namely: that the voltage peaks and troughs of oscillations and the current peaks and troughs are in opposition to each other for most of the time. And, this condition is produced by the simultaneous occurrence of two preconditions, which, when combined, automatically insures that this condition will be met at a mutual displacement from a Unity Power Factor of $\pm 90^\circ$. These two simultaneous preconditions are...

1. A full capacitive reactance, ie. $+90^\circ$, of leading current, plus...
2. A full inductive reactance, ie. -90° or $+270^\circ$, of lagging current.
3. Although each of these preconditions are a mere $\pm 90^\circ$ of displacement from a Unity Power Factor (of Zero Degrees of Displacement between the phases of voltage and the phases of current), they are 180° of displacement from each other making their simultaneous union (in time) a satisfaction of the passive sign convention's definition for electrical generation.¹ And since each of these simultaneous displacements are at a $\pm 90^\circ$ of displacement from a Unity Power Factor of Zero Degrees, this constitutes an electrical generation of reactive power; not real power.
4. The waves, comprising this special version of reactive power generation, are triangular waves indicating a condition of the non-saturation of current within inductors. Hence, there cannot be any limitation to its growth of amplitude, or of frequency, other than the physical limitations of the circuit which is hosting this unbridled growth.
5. This constitutes the generation of free energy since reactance is not energy and its occurrence self-amplifies and self-accelerates due to the equivalency between the physical inductance of an electrical component versus the magnetic field surrounding that component engaging an inductive reactance via a mutual equivalency of inductive impedance and the equivalency between the physical capacitance of an electrical component versus the (di-)electric field surrounding that component engaging a capacitive reactance via a mutual equivalency of capacitive impedance.
6. So, voltage results from impedance, which becomes an additional impedance of its own boosting impedance still further than the physical component had already specified.
7. And all of this resulting without the benefit of Michael Faraday's Law of Induction requiring the movement of a coil of wire through a magnetic field and without the limitations of the Law of the Conservation of Kinetic Energy since we're not generating kinetic energy; we're generating potential energy in the form of non-energetic reactive power.²
8. Furthermore, *Einstein was wrong* when he said that, "Examples of this sort, together with unsuccessful attempts to discover any motion of the earth relative to the **"light medium,"** [the long sought-after **"Aether"** – editor's note] suggest that the phenomena of electrodynamics as well as of mechanics possess no properties corresponding to the idea of absolute rest." He overlooked the phenomenon of reactive power generation as defined, above!³

1 Passive sign convention – Wikipedia = https://en.wikipedia.org/wiki/Passive_sign_convention

2 Faraday's law of induction, Exceptions – Wikipedia = https://en.wikipedia.org/wiki/Faraday%27s_law_of_induction#Exceptions

3 Ibid, Einstein's view – Wikipedia = https://en.wikipedia.org/wiki/Faraday%27s_law_of_induction#Einstein%27s_view

9. The graphic, below, also illustrates this point (of the self-amplification of this type of reactive power) using common sense rather than the reactive principles of electrical engineering.⁴

The benefit of all of these conditions is the conversion of an extremely meager real power input into a format of the *reactance* (ie, Zero Power Factor) of the reversal of current causing this *reactive current* to flow backwards towards the greater of two voltage differences. This causes an increase in *reactive* voltage difference which *continues to rise (and reactive current continues to flow)* despite the area of lesser *reactive* voltage may fall to zero reactive volts!

So, where is the *reactive* current coming from if the *reactive* voltage at its tail-end is zero?

Answer...

It's not coming from anywhere!

In general, current (when it is derived from real power) is merely a shorthand notation to make the electrical technician's job easier to take measurements and assess the power (in watts). It represents the more unwieldy notation (which it replaces) of ...

$$Current = \frac{Voltage}{Resistance}$$

...within a context of time. Or, the more accurate version (intended for oscillating circuits) which I prefer of...

$$Current = \frac{Reactive\ Voltage}{Impedance}$$

..., again, within a context of time (always, always, always within a context of time; this is important to never forget). Thus, the familiar format of Ohm's Law (whose terminology is chosen for non-oscillating circuits) of...

$$Power = Voltage \times Current$$

...is replaced by the more precisely accurate format (for free energy circuits) of...

$$Power = Applied\ Voltage \times \frac{Reactive\ Voltage}{Impedance}$$

...or the more familiar, but less informative, format intended for non-oscillating circuits (no doubt) of...

$$Power = \frac{Voltage^2}{Resistance}$$

...whenever Ohm's Law is taught to wannabe students of electrical engineering. The consequence is that they don't understand that current is a fictionalized concept acceptable to our five senses but without any basis in the reality of the microscopic (ie, electrical) level of existence. Instead, it is a macroscopic illusion similar to how a mirage appears in the desert. Current is the result of a causation and is not an entity of causation in and of itself.

So, **where is current coming from** becomes **in which direction is the pattern moving (which we know of as a mirage of current)?**

For example, [quote]...

["Why does light have momentum with no mass? Is it because the universe is curved?"](#)

⁴ Electrical reactance – Wikipedia = https://en.wikipedia.org/wiki/Electrical_reactance

“All the potential wells that kept the matter in a state of relative rest for the observer will eventually connect to the vacuum and the Higgs field. *A photon is just a moving pattern*” [emphasis is mine] “on the virtual particles of the vacuum. It has neither energy nor momentum in the depth concept ! When photon absorbed and dies , It become new emergent virtual particles pattern at the closed edge of particle reality pack ! In fact, the death of the photon is the spreading of that pattern in the space around the particle and damage to the symmetry of the potential wells that had provided relative restness. This lack of balance of the cage wall forces the particle to move intrinsically and we sense that as momentum exchange.”

My comment...

“*A photon is just a moving pattern...*” – https://youtu.be/OI_HFnNTfyU?t=607

Here is a screenshot of the YouTube video, linked-to up-above, of Professor Eric Laithwaite explaining the peculiar property of magnetic waves...



Current may merely be a pointer pointing at two areas of change without any definitive certainty as to why these areas are changing. In other words, there is no guarantee that voltage is a potential field of pressure that drives current forward. It may be the opposite, that voltage is a field of vacuum which sucks current into itself.

Isn't this a description of a black hole? So much for the relevancy of studying quantum physics if it can just as readily be explained via electrical engineering!

Thus, it will still hold true in both cases that the area at the head of the arrow of current is going to rise in voltage and that its tail-end will fall in voltage. But the interpretation of what is happening will depend upon whether the two end-points of current are terminating upon real power or are they terminating upon fully reactive power (of the simultaneous occurrence of both a 90° leading current and a 90° lagging current), then the opposite interpretation is valid in which voltage can suck current rather than push it.

Consequently, it is not true to assume that the greater of two areas of voltage difference is a pressure since it can pull just as readily as it can push. In the case of it pulling current into itself, a difference in voltage represents a greater affinity to become a vacuum. Maybe this is where the term of “[energy from the vacuum](#)” comes from? Perhaps...Indeed!

AREA OF HIGHER (VOLTAGE) POTENTIAL



THE ARROW OF
CURRENT POINTS
DOWNWARDS
TOWARDS AREAS OF
LOWER VOLTAGES

AREA OF LOWER (VOLTAGE) POTENTIAL

VOLTAGE REPRESENTS,
IN THIS EXAMPLE, AN
AREA OF GREATER
MATERIAL PRESSURE
MEASURABLE IN THE
FIELD OF REAL NUMBERS

REAL POWER = FULLY
SYNCHRONIZED FIELDS
OF VOLTAGE AND
CURRENT

AREA OF HIGHER (VOLTAGE) POTENTIAL



THE ARROW OF
CURRENT POINTS
UPWARDS TOWARDS
HIGHER VOLTAGES!

AREA OF LOWER (VOLTAGE) POTENTIAL

VOLTAGE REPRESENTS, IN THIS
EXAMPLE, AN AREA OF GREATER
IMMATERIAL PRESSURE, IE. A
VACUUM, MEASURABLE IN
THE COMPLEX, IE. IMAGINARY
PLUS REAL, FIELD OF NUMBERS

FULLY REACTIVE POWER
= 180° OF ANGULAR
SEPARATION BETWEEN
VOLTAGE AND CURRENT

In any case, we (obviously) need to closely examine more than merely Ohm's Law whenever analyzing the resulting behavior of a circuit. We, more importantly, need to analyze the circuit, itself, since it is *this* which is causing this anomaly to occur. It is a coordination resulting from inductive impedance and capacitive impedance causing this escalation of the fields of impedance, inductance and capacitance (which surround the components of a circuit) to skyrocket at an exponential rate of amplification. These fields become more important than the components which initially spawned them. These fields may eventually fry (ie, cook to oblivion) the components which host these fields if we don't regulate this runaway condition of the generation of reactive power.

Since this perversion (of our collectively cherished beliefs of our common sense about electricity) can readily be converted back into useful real power using any one of four different techniques which I am familiar with (see, bullet points, below), then there cannot be any dispute (offered in criticism) that this so-called perversion of electricity is useless...

1. Simple resistance will put the two opposing phases of voltage and current back together again with zero degrees of angular phase separation remaining between them. Thus, all of our nuclear reactors can be replaced with much safer electrical reactors without any plutonium as the byproduct and, thus, save ourselves from continuing to augment our worldwide nuclear arsenals. Why defend our way of life if *everyone* is privy to this same quality of life? It is obvious to me that we defend a privileged way of life in which the few who possess much (wealth, power, etc) require that the many do not have enough to live a decent life.
2. Full bridge rectification of four diodes.
3. Cross parallel winding so that the opposing phase of voltage of each winding will match up with the opposing phase of current of its counterpart winding to produce real watts of power.

4. Nikola Tesla's patent on adding AC to DC (<http://vinyasi.info/ne?startCircuit=acplusdc.txt>) may actually be a coded message with a very different intention in mind to patent-protect a 4th type of conversion, namely: replace his use of “batteries” in his patent with diodes, replace his use of “light bulbs” with any type of a load – especially inductive loads, and replace his use of an oscillating sine wave voltage source with the inherent oscillations of whatever circuit you wish to plug this type of conversion into...



Free energy is a colloquialism of the engineer's use of the term: “reactive power”. And since this power is not power in the normal sense of the word due to its reliance upon the square root of negative one $\sqrt{-1}$ as its predicate, it does not exist except as a mathematical fantasy! Yet, over a century of experience proves out this fantasy that it works and the math is correct. Yet, it is beyond our five senses to prove its existence and validate it. This is why it is so easy for electrical engineers and physicists to give us “the run around” whenever talking about this topic and claim that it does not exist.

They're not wrong, are they?.....



Some truths have to be inferred since no objective use of the five senses can validate them. This is why mathematics was born: to free us from a total dependency upon our five senses and expand our awareness of truth and its consequences in order to transcend our futile, exclusive dependency upon superficial appearance.