

Reactive Power is Not a Form of Power. It is, though, a Method of Altering the Narrative. ;-)



VINYASI

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Re: Cold Heat from Canada, a documentary.

« Reply #109 on: Today at 12:40:14 am »

Quote from: Xena E on Yesterday at 08:27:04 pm

Last try on the reactive power theme. Then I give up ...

I did think of ploughing through all this myself but this guy gets it (mostly) as I was taught and explains the basic principles well starting with the DC theory and only the necessary mathematics.

And all i's are current



WHAT IS REACTIVE POWER?



Reactive power is not a source which generates power nor is it a sink for absorbing power. It is merely the oscillation of power among reactive components.

But this oscillation can render its instantaneous power into something significant whenever the elements of this oscillation, namely: the phases between current versus voltage, should become displaced by half a cycle of oscillation. Then this is when it gets interesting -- especially if we don't have to employ any external pump but, instead, make use of an internal switch ... in this case, a transistor, to produce this result. And if this oscillation should relabel what constitutes a sink versus a source so as to make coils into generators bereft of the necessity of moving those coils through a magnetic field to generate current inside of them, then we've bypassed Michael Faraday's Law of Induction. And if generators become motors, then this continues to get mighty interesting as far as this theoretical odyssey is concerned.



AI's Confirmation of Current Inversion resulting from the Charge Barrier Transistor of William Jay Fogal, plus a very Light Explanation of Quaternions.