

# Revisiting Tesla's 369 Mystery

If it's truly correct to ascribe this mystery to him, then he deserves the credit!

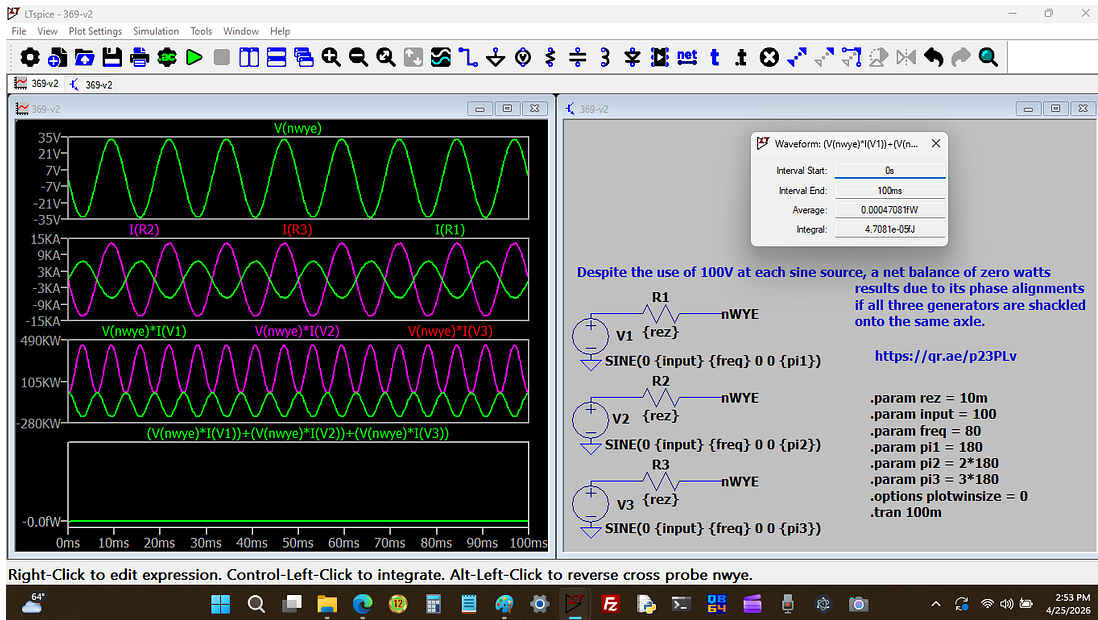


VINYASI

APR 26, 2026



I never bothered to simulate this idea<sup>1</sup> in LTSpice, until now, with a fantastic discovery: a net wattage of nearly zero if, instead of using radians to measure the phase displacement between three sine waves of a three-phase A/C power system,  $180^\circ$  was used as the separation between each phase. In other words, current expenditure is returned to two of the three sources (V1 & V3 in the following example) while the third source (V2) is expending the same amount of current as is being spent by the combined pair of the first two sources.



But this would only occur if the phase displacement of each of these three sine waves (being generated from out of three separate sine wave, voltage sources) were exactly separated by 180°, 360°, and 540°.

BTW, this last displacement is equivalent to a displacement of 180°.

This could be seen as an easy method of remembering by how much to displace these three phases apart from each other since 3 radians is equal to 171.887338539247°, while 6 radians is 343.7746770784939°, and 9 radians is 515.6620156177409° and the RMS averages of all of these three radian measurements (of the portions of a cycle as measured around the circumference of a circular unit of time) approximates the three phase displacements of conventional three-phase A/C power systems of: 120°, 240°, and 360°.

$$(3 / \pi \times 180^\circ = 171.887338539247^\circ) \div \sqrt{2} = 121.542702681209^\circ \text{ RMS} \approx 120^\circ$$

$$(6 / \pi \times 180^\circ = 343.7746770784939^\circ) \div \sqrt{2} = 243.085405362419^\circ \text{ RMS} \approx 240^\circ$$

$$(9 / \pi \times 180^\circ = 515.6620156177409^\circ) \div \sqrt{2} = 364.628108043628^\circ \text{ RMS} \\ \approx 360^\circ$$

As a reference, and for comparison:

$$180^\circ = \pi = 3.141592653589793 \text{ radians}$$

$$120^\circ = 2/3 \times \pi = 2.094395102393195 \text{ radians}$$

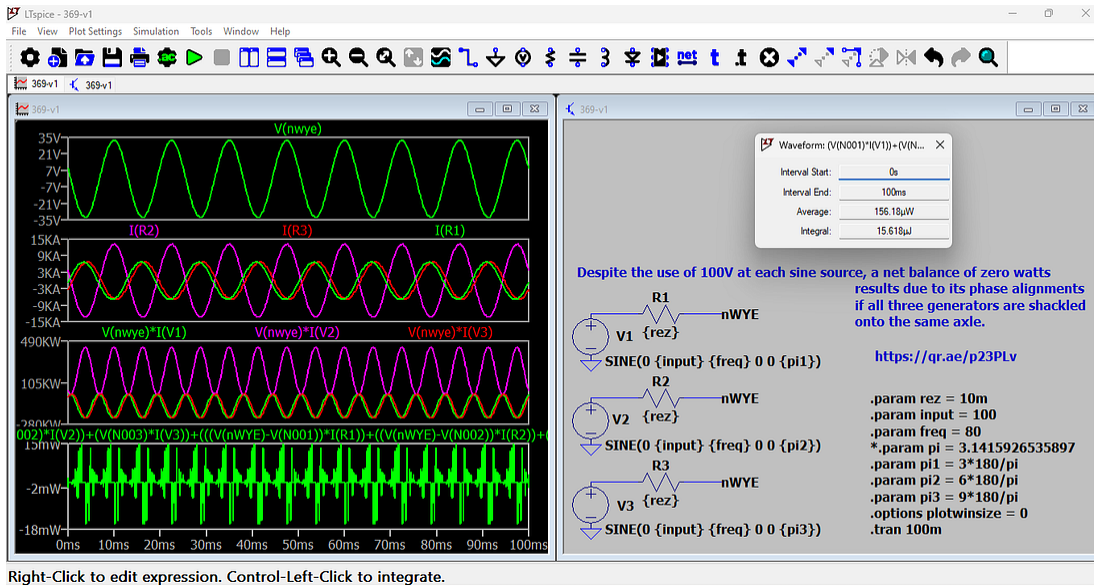
But what if we were to use the exact radian measurements as suggested by this legendary mythology surrounding Tesla's purported use of, or belief in, the integers of: THREE, SIX and NINE? Then, what would happen?

Well, instead of an absolute value of a net wattage of all three sine wave, voltage sources of  $|-2.5863\text{pW}|$  ( $+2.5863\text{e-}12\text{W}$ ), the net absolute magnitude of wattage would be significantly higher at:  $|+156.18\mu\text{W}|$  ( $+1.5618\text{e-}4\text{W}$ ): a difference of  $\sim 10^{-8}$  to 1 between the degree version versus the radians version.

The radian version has the greater absolute magnitude and is of a positive polarity indicating a greater return of wattage to the three combined sources (if all three sources are rotary devices shackled to their shared axle of rotation).

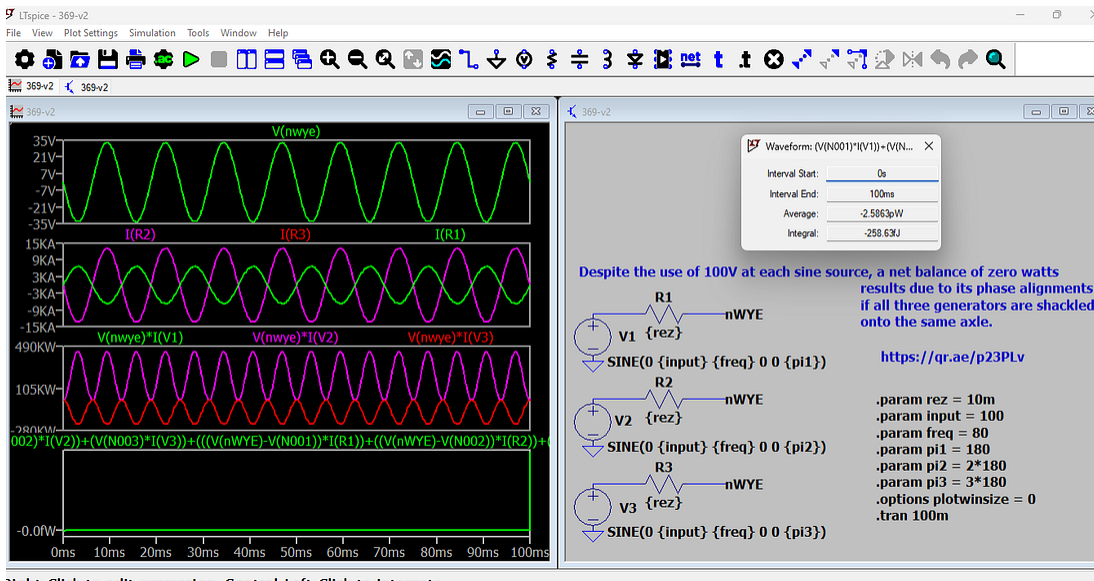
Meanwhile, the degree version has a lesser absolute magnitude and is of a negative polarity indicating a lesser cost of wattage imposed upon the three "sources". Thus, the savings in the cost of energy to operate these three sine wave, voltage sources is greater if we use Tesla's purportedly magical belief in the integers of: 3, 6 and 9 rather than using the conventional three polyphase system of A/C generation.

+156.18 $\mu$ W, below, for radians, resulting from a 100ms duration of runtime:



Right-Click to edit expression. Control-Left-Click to integrate.

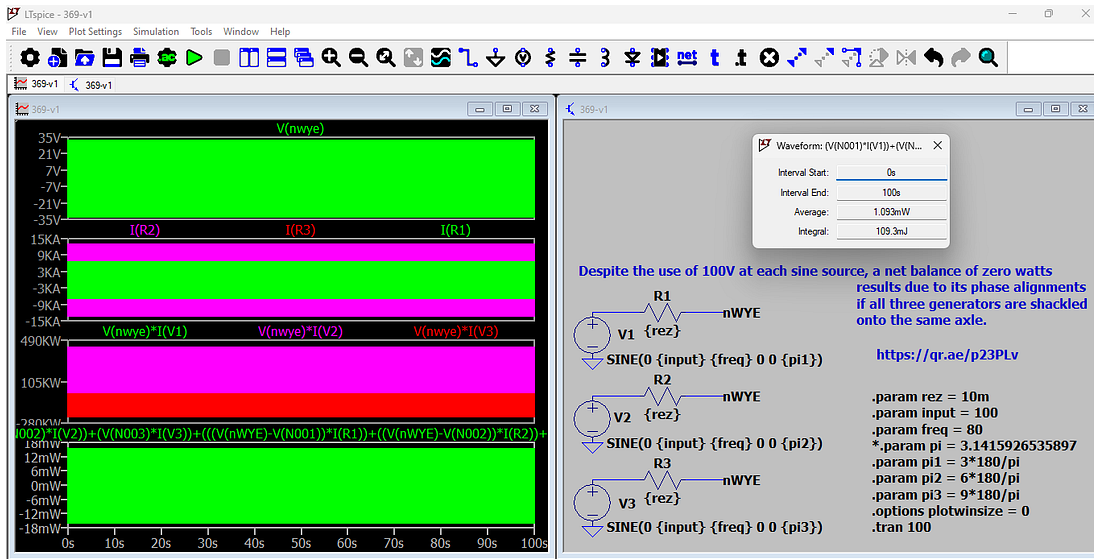
-2.5863pW, below, for degrees, resulting from a 100ms duration of runtime:



Right-Click to edit expression. Control-Left-Click to integrate.

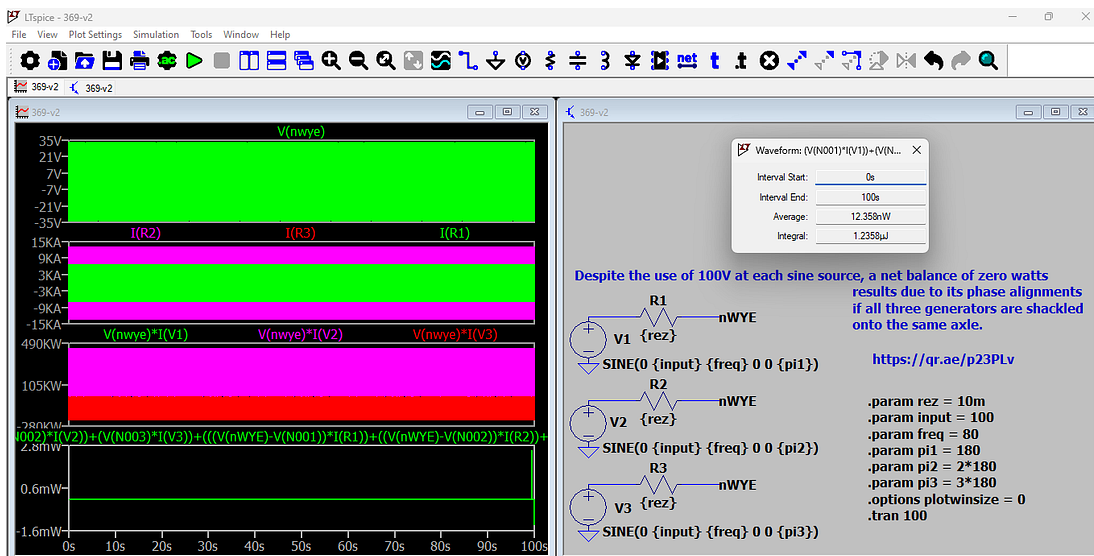
These values maintain themselves, more or less, regardless of how long the runtimes are for simulating these circuits.

+1.093mW, below, for radians, resulting from a 100s duration of runtime:



Right-Click to edit expression. Control-Left-Click to integrate.

+12.358nW, below, for degrees, resulting from a 100s duration of runtime:



Right-Click to edit expression. Control-Left-Click to integrate.

So, to recapitulate, the 369-radian displacement scheme ensures a slight net return of current to all three sources which is good for operation in an imperfect world of physicality riddled with all sorts of losses due to imperfections. And... it's also easier to remember!

Netlist > > >

\* C:\Users\vinya\Documents\Sims\LTSpice\2026\04 - Apr\25\369-v1.asc

\* Generated by LTspice 24.1.9 for Windows.

V1 N001 0 SINE(0 {input} {freq} 0 0 {pi1})

V2 N002 0 SINE(0 {input} {freq} 0 0 {pi2})

V3 N003 0 SINE(0 {input} {freq} 0 0 {pi3})

R1 nWYE N001 {rez}

R2 nWYE N002 {rez}

R3 nWYE N003 {rez}

.param rez = 10m

.param input = 100

.param freq = 80

\*.param pi = 3.1415926535897

.param pi1 = 3\*180/pi

.param pi2 = 6\*180/pi

.param pi3 = 9\*180/pi

.options plotwinsize = 0

.tran 100m

\* Despite the use of 100V at each sine source, a net balance of zero watts\n results due to its phase alignments\n if all three generators are

shackled\n onto the same axle.

\* <https://qr.ae/p23PLv>

.backanno

.end

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Formula for graphing the total power:

$$(V(N001)*I(V1))+(V(N002)*I(V2))+(V(N003)*I(V3))+((V(nWYE)-V(N001))*I(R1))+((V(nWYE)-V(N002))*I(R2))+((V(nWYE)-V(N003))*I(R3))$$

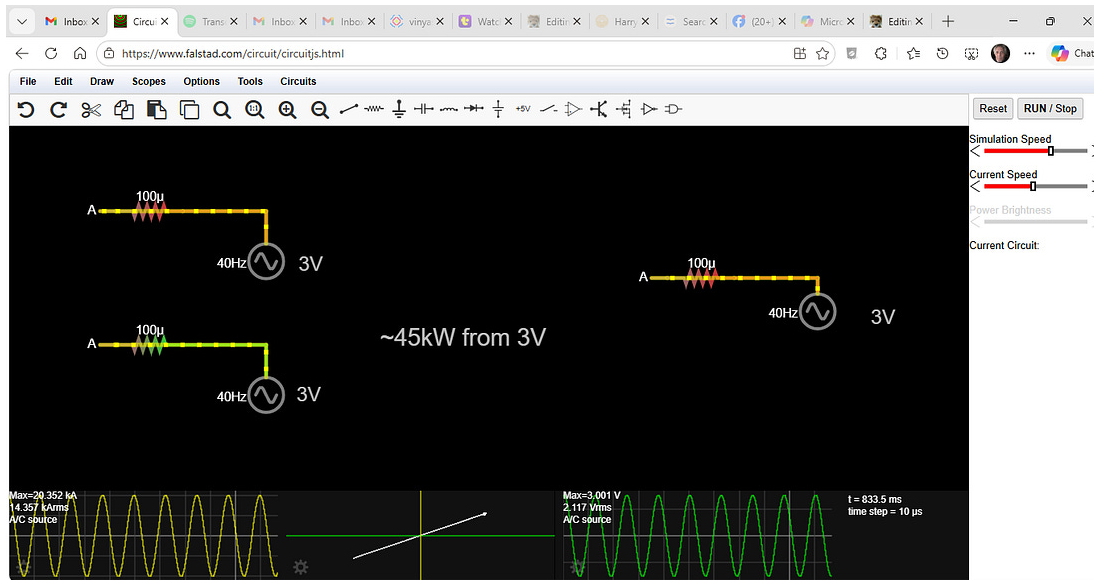
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[Download these LTSpice simulation files, here.](#)

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The [original software for simulating this idea](#) was in Paul Falstad's simulator:

<https://is.gd/8EuURA>



And the last time I wrote about this topic, on Substack (however remotely similar), was here:

## The Lakhovsky Multi-Wave Oscillator versus Nikola Tesla's 3-6-9 Anti-Gravity Pulse Train

VINYASI · APRIL 14, 2025



In a Quora post and in a series of AI assistively generated YouTube videos, I introduce the speculation that Nikola Tesla's 3-6-9 myth may be a wave set whose individual waves are phase displaced fro...

[Read full story](#)

## Revisiting the 369 mythology surrounding Nikola Tesla.

VINYASI · JUNE 14, 2025

OF THE SIX SYSTEMS OF  
Vedic Philosophy).

Relativistic Output or an Act of God (Cosmic Mind).	1. Manifest pure consciousness = Energy	2. Becoming creative = Power	3. Self = Current; The Witness (a point of reference).
Modification of Causation, namely the Relativistic Throughput, caused by Acts of Man or Acts of God.	4. Feelings = Resistance	5. Intellect (decisions) = Capacitance.	6. Mind (thoughts and thinking) = Inductance
Relativistic Causation, Relativistic Input, or the End Result of	7. Senses = Duration (of Accumulation	8. Behavior = Frequency (patterns of	9. Collective consciousness = Voltage (near

Two articles ago,...

[Read full story](#)

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1 [Tesla's 369 Mystery](#). — Quora