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File:Ammann with solar capacitance, v2c3c3g2 = solder joints, output.png

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Captions

Captions	
English	Output of a Micro-Cap 12 schematic.

Summary

Description	**English:** This graphic illustrates the ON/OFF state of a neon bulb and the output of four inductive loads. The escalation of wattage is assisted by an inversion of the polarity of current (relative to voltage) resulting from restricting input and preventing any exit of current. It's reversal of current is due to starving the simulation associated with this output of its input power and preventing any exit of current.

	The top-most graph traces a node, within the neon bulb macro (of Micro-Cap 12 simulator). This node is labeled "NeonBulb.10" for the purposes of this graphical output. But it is equivalently labeled "Switchchk" within the neon bulb macro. It has already risen from its default value of 10 nano volts to a plateau of 10 volts which indicates that this type of spark gap has turned ON its arcing into a plasma. By the way, if any value closely similar to 10 nano volts were to be traced as the output for this node (within this software macro), then this would indicate a pre-ionizing state preparatory to arcing. This is analogous to what lightning bolts manage to achieve prior to their actual lightning strike. The ionization pathway charts a course preparing for whatever lightning strike may happen to form along this prepared highway. The second graph (from the top) traces the output current superimposed over the output voltage of the inductive LOAD as a hyperbolic arch of red (hiding the blue underneath). They are diverging at the far right: the red colored current tracing is escalating upwards in the direction of greater positive amperage while the blue colored voltage is escalating downwards in the direction of greater negative voltage. The third graph is tracing the output voltage of the inductive Barrel Coil whose blue-colored arch swerves upwards at an escalating rate of growth in positively signed voltage while the tracing of the fourth graph is red-colored amperage of the Barrel Coil arching downwards at a similar rate of escalation. The fifth and sixth graphs are tracing the rising output of one inductive side of the Copper Tubing while graphs seven and eight are tracing the output of the other side of the Copper Tubing with the neon bulb in between these two halves of copper.
Date	12 October 2022
Source	Own work
Author	Vinyasi

Licensing

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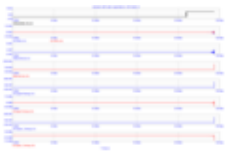
current	**12:02, 16 October 2022**		1,587 × 1,043 (45 KB)	Vinyasi (talk | contribs)	updated output criteria
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