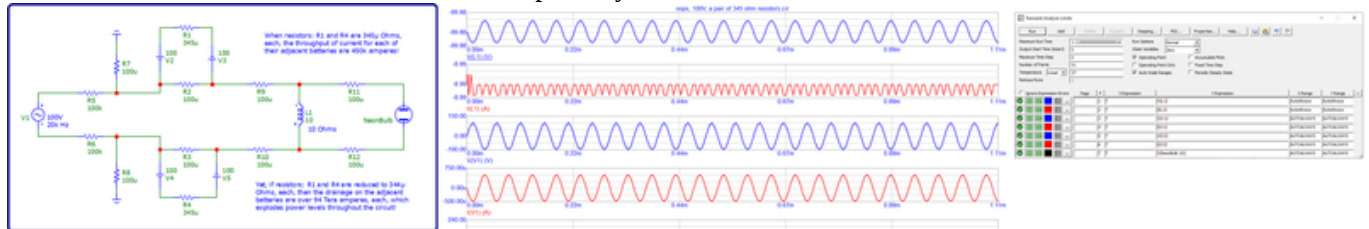
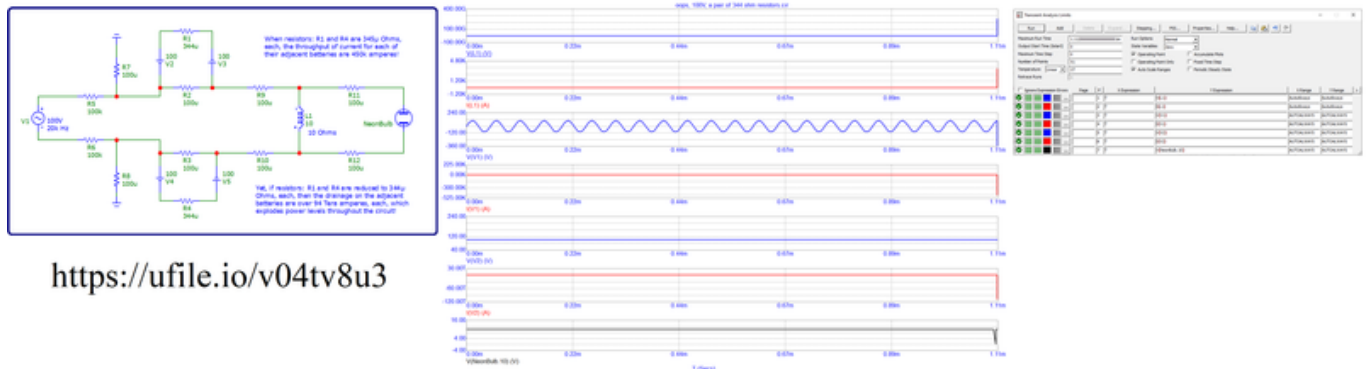


File:Perfect example of explosion of power from current inversion.png

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<https://ufile.io/7yibnjgc>



<https://ufile.io/v04tv8u3>

Size of this preview: 800 × 445 pixels.

Original file (3,748 × 2,084 pixels, file size: 261 KB, MIME type: image/png)

Captions

Captions

English

Explosion of output due to the inversion of the phase of current relative to the phase of voltage.

Summary

Description

English: These are two variations^{[1] [2]} of a Micro-Cap 12 simulation of a conventional circuit of a simple design (operating on a Windows 10, 64-bit desktop PC) which exhibits an explosion of output when its neon bulb (spark gap) ignites into a state of plasma. This ignition occurs whenever its ignition node (**Switchchk**)^[3] registers a value of 10 volts by comparison to a value of 10 nano volts (10nV in the top graph) which indicates that the neon bulb is OFF. This ignition is charted at the bottom-most tracing of the bottom graph. This tracing is labeled: V(NeonBulb.10) (V) while its plasma state is graphed in the circuit labeled: "oops, 100V, a pair of 344 ohm resistors.cir ← should read micro ohms".

Date	16 October 2022
Source	Own work
Author	Vinyasi

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1. [345 micro ohms](https://ufile.io/7yibnjgc) (<https://ufile.io/7yibnjgc>)
2. [344 micro ohms](https://ufile.io/v04tv8u3) (<https://ufile.io/v04tv8u3>)
3. [Micro-Cap 12 macro for a neon bulb](#)

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