

Peer Review

Review of: "On the Three-Components-in-One Volatile Capacitor"

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Dear Authors, I enjoyed going through this essay. It elaborates on the same principal read somewhere else a few years back in a good rational way and in more detail for the concept.

As for the review, kindly perform the following few points to make this essay clearer and easier for the reader to comprehend.

- An **electric double layer** EDL: should be mentioned in the preceding line, not its initials.
- **Table 1.1.** Reverse the positions of the words “Current” & “Voltage” in the table.
- Page 4:

“Duality has been one of our strong driving forces. E.g., we have determined [4] all irreducible representations of the icosahedral group—the point group of the fullerene structure, without resorting to its dual, the dodecahedral group. We now understand (L-2) means that”

Either to give more clarification or to remove the example.

- Page 7:

“This is a completely new phenomenon not known before nano-materials have been invented.”

This phenomenon has existed since capacitance and permittivity were widely used. However, researchers used the absolute values of C & permittivity whenever negative values appeared. Investigation of newly invented nano-materials helped in understanding and explaining it.

- Provide a **schematic diagram** that shows different currents & their directions within the circuit, in both cases, where DC bias is applied & when it is removed.

Declarations

Potential competing interests: No potential competing interests to declare.