

Editor's Comment:

The paper deals with the use of a new formulation to analyze the temporal operation of capacitive dipoles. The idea and the work are interesting but the paper can not be published in this form. The paper is too long and requires more valuation.

I propose :

□□ Abstract: specify the advantage of the method on the simulation and the operation of circuits (RC, ...). Also, specify the importance of this method compared to other methods.

□ Introduction. Very long, we do not clearly see the context of the work, problematic in the fields (Super-capacitor, ...) to use the new formulation ($q(t) = c(t) * v(t)$). The authors treat and analyze the work in the introduction ???.

□ Paragraphs 2 to 12: too long, many calculations and equations. To value the idea and better understand this new approach, the authors must present just the essential point, for the application 'Super-capacitor', since it is scientific article. I propose to the authors:

- * The capacity C depends on the time t? specify why? what application.
- * Description of the domain 'Super capacitor',
- * Quick analysis of classic models and the new model,
- * Analysis of the RC circuit by the new method, specifying the advantage of the new method,
- * Give traces of the simulations (charge/decharge, loss,...) of the new equations approach,
- * Discuss the experimental validation of this new approach,
- * Extend the analysis to another applications and electronic circuits?.

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