

Interactive comment on “Thermodynamic origin of life” by K. Michaelian

Anonymous Referee #1

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This paper should be treated as a work of art. It is very well written, interesting and erudite. The proposed theory is qualitative in nature; more of a scientific narrative than a hard physico-chemico-bio-mathematical model.

As an engineer and a physicist, I would like to see a little more of quantitative arguments, but I fully realize that the complexity of the subject, and the unknowns, are far beyond strict calculations and numbers.

My knowledge of biochemistry and genetics is insufficient to judge the fine details of the theory in these areas, but I know a good story when I see one.

I would like to congratulate Dr. Michaelian on his fine paper.

Interactive comment on Earth Syst. Dynam. Discuss., 1, 1, 2010.