Review of: "Analysis method of binary concentration-inhomogeneous systems"

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Potential competing interests: No potential competing interests to declare.

Analysis method of binary concentration-inhomogeneous systems

In this manuscript, the author has proposed one method for the analysis of binary concentration-inhomogeneous polymer-monomer systems in which the concentration of components is a continuous function of the position.The characterization of the concentration for an ihnomogeneous system is a major need. In fact the spatially homogeneous distribution of the concentration of the system is desalterated at some stages. Extensive properties of the system can be used to chracterize such system. In this study, the author considered the binary-inhomogeneous MMA-PMMA system. The proposed method is based on measuring the dependence of the heat capacity of the polymerization mass on temperature. This is an interesting study but poorely writing, the paper is generally well written and structured. The paper can not be accept to warrant publication in Qeios in the present form. Before the acceptance, i invite the author to response to my concerns according to the following comments.

[1] Authors are invited to re-read the whole manuscript to check the vaious errors and run spell-check to remove the routine spelling mistakes.

[2] I suggest the author to add some results of the analysis method in the manuscript section.

[3] Please focus the manuscript on your study on your results. I did not see in the manuscript the presentation of the results but rathher the justification of the study and the method used.

[4] What is the contribution of the analysis method proposed in this study compared to existing one for the same type of problem ?

[5] Why the author has considered the heat capacity of the polymerization mass as the extensive property of the system for the charaterization of the concentration MMA-PMMA ? Is there any particular reason for this choice ?

[6] It is not possible for a better characterization of the concentration of a binary systems to consider the simultaneous effect of several extensive properties ?

[7] In figure 1 why did the author not give more details on the concenration values ? Specify at least how the concentrations vary (classify these concentrations in ascending or descending order).

[8] The title is a bit misleading, when talking about analysis there are a minimum of things that should be studied. And also i expected to see comparisons between the analytical method of analysis and experimental results for one or more specific cases. The author is invited to response particulary to this concern.

[9] Briefly discuss the results and main findings of your work in the conclusion section of the article.