

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

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Potential competing interests: No potential competing interests to declare.

In the present manuscript the author proposed a method for the analysis of binary concentration-inhomogeneous polymer-monomer systems, in which the concentration of components varies continuously from point to point. Comparing the dependence of the heat capacity of homogeneous systems on temperature and concentration with the measurement of the dependence of the heat capacity of the polymerization mass on temperature in the temperature range, the author proposes a method in order to find the mass distribution function, using the solution of the Fredholm integral equation of the first kind.

Although the proposed method is interesting, in my opinion, it is necessary to present the work in the "classic" form of a scientific article (i.e., introduction, materials and methods, results, discussion and conclusions...), emphasizing its purpose in the context of the state of the art and highlighting the original and innovative aspects.

Also in my opinion, in the absence of experimental results, it would be essential to apply the proposed method using numerical simulations based on realistic test-cases in order to highlight its potential and limitations (if any).