

Review of: "Reaction rate view on autocatalysis"

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The reviewed paper presents a theoretical analysis of autocatalytic reaction peculiarities. Different possible kinetics of reactions progressing with the autocatalysis are calculated and described. The topic is actually very interesting and, I am sure, can be used by many specialists. E.g., it could be very interesting for me, as the reaction sintering process I investigate seems to be autocatalytic.

However, the information in the presented form cannot be of any practical use. First, the author should significantly extend the introduction by referring to works motivating the investigation and describing areas of its possible application. Second, and maybe even more important, the discussion section should include a comparison of the proposed theoretical results with experimental data from the literature. The analysis of the borrowed experiments with the presented theory would increase both understanding and usability of the latter. Substantial conclusions can be made in this case.

Unfortunately, in the present state, the work is more like an exercise for students, with two of four references being actually textbooks.

Will be glad to use and refer to the work if the above-mentioned improvements are introduced.