Review of: "Reaction rate view on autocatalysis"

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Potential competing interests: The author(s) declared that no potential competing interests exist.

The study of autocatalytic reactions is relevant, as well as the analysis of the models that describe them.

The expression for formation rate, represented with only k1 (especially without k3) seems to not correct.

As this study shows, the Lapdolt- scheme needs some additional restrictions for its use by describing the autocatalytic reactions. The restrictions, presented in the work (k3>>k1 and k3>>k2) are insufficient and not entirely correct. In particular, data set 2 from Table 1 satisfies this condition and describes non-autocatalytic behaviour (Fig. 1.b), set 4 partially violates this conditions and corresponds to an autocatalytic reaction (Fig. 4),

The obtained solution with set 6, which shows an ambiguous dependence of the reaction rate on the product concentration, deserves more attention and careful explanation.

I consider the main achievement of this work to be the fact that the considerable restrictions are to used by the application of the Landolt- scheme in describing autocatalytic reactions. However, I have not seen the received criteria of such applicability.

The formulation of these criteria will improve the work essentially.