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Comments on the analogy by adaptation of formulas between the viscosity and the electrical conductivity

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Abstract:

In this novel investigation, we want to discuss the use of the direct analogy by converting only the classical formulas initially developed for the viscosity measurements into the electrical conductivity by adaptation of symbols. We have discussed the methods used to determine the critical concentration separating the various regimes of concentration. Also, we have extended by the direct adaptation of symbols some formulas to study the effect of the adsorption on the electrical conductivity in the vicinity of the glass cell of the conductimeter. In this work, we have used as counter-example, the set of the results obtained from our previous work [1] which have treated the electrical conductivity of the laccase from *Trametes versicolor*.

Keywords: Symbols adaptation; Critical concentration; Huggins coefficient for the conductivity.

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