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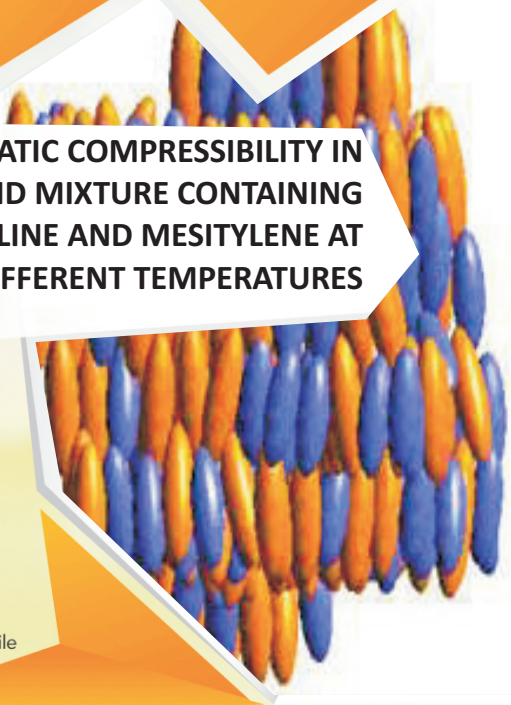
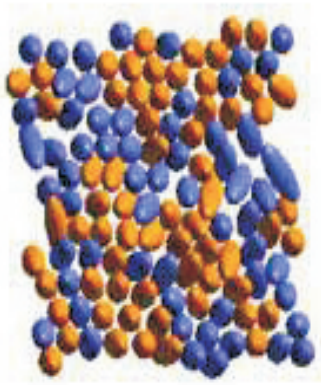
STUDY OF ADIABATIC COMPRESSIBILITY IN A BINARY LIQUID MIXTURE CONTAINING QUINOLINE AND MESITYLENE AT DIFFERENT TEMPERATURES





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SK. Fakruddin

ABSTRACT

The ultrasonic velocity, density and viscosity values have been measured in a binary liquid mixture containing quinoline and mesitylene at different temperatures from 303.15 to 318.15 K over the whole composition range. These measured data have been utilized to determine the adiabatic compressibility (β) and the results obtained here are explained in the light of the molecular interactions between the components of the liquid mixture.

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Review of the Article:

The present study focuses on Study Of Adiabatic Compressibility In A Binary Liquid Mixture Containing Quinoline And Mesitylene At Different Temperatures . The introduction builds a logical case and context for the problem statement. The problem statement is clear and well articulated.

Abstract:

The abstract is complete, essential details are presented. The results in the abstract are presented in sufficient and specific detail. The conclusions in the abstract are justified by the information in the abstract and the text. There are no inconsistencies in detail between the abstract and the text.

Reference to the Literature and Documentation:

The literature review is up-to-date. The number of references are appropriate and their selection is judicious. The review of the literature is well integrated.

Research Design:

The research design is defined and clearly described, and is sufficiently detailed to permit the study to be replicated.

Instrumentation, Data Collection:

The measurement instrument is appropriate given the study's variables; the scoring method is clearly defined. The data set is sufficiently described.

Data Analysis and Statistics:

Data analysis procedures are sufficiently described, and are sufficiently detailed. Data analysis procedures conform to the research design; models, or theory drives the data analyses.

Presentation and Documentation:

The text is well written and easy to follow. The vocabulary is appropriate. The content is complete and fully congruent.

Scientific Conduct:

There are no instances of plagiarism. Ideas and materials of others are correctly attributed.

References:

References are mentioned in APA Style.

Overall the study is relevant to the mission of the journal or its audience.

SUMMARY OF ARTICLE

No.		Very High	High	Aver-age	Low	Very Low
1.	Interest of the topic to the readers	✓				
2.	Originally & Novelty of the ideas		✓			
3.	Importance of the proposed ideas		✓			
4.	Timelines	✓				
5.	Sufficient information to support the assertions made & conclusion drawn			✓		
6.	Quality of writing (Organization, Clarity, Accuracy Grammer)		✓			
7.	References & Citation (Up-to-date, Appropriate Sufficient)	✓				

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