



## Ultrasonic study of Velocity in the Binary Mixtures of p-Xylene with Benzyl benzoate as Common Component

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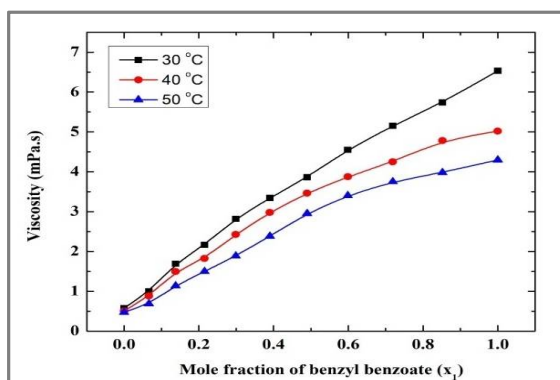
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### ABSTRACT

Density, viscosity and ultrasonic velocity have been measured in the binary mixture of p-Xylene with benzyl benzoate as common component at different temperatures 30°C, 40°C and 50°C. Also, the theoretical velocities are evaluated from the knowledge five theories viz., FLT, CFT, NOMOTO, VANDAEL and JUNJIE. FLT, CFT, NOMOTO and JUNJIE appear to agree well with the experimental results.

### Graphical Abstract



**Keywords:** Binary mixtures, p-Xylene, Benzyl benzoate, Theoretical velocities.