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INTRODUCTION

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Please consult this Guide for Authors for further details on the requirements for submitting your paper to The Journal of Chemical Thermodynamics. The guidelines described in this document, as well as those listed in the JCT Style Notes, should be carefully adhered to ensure high-quality and rapid publication of your manuscript.

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The Journal of Chemical Thermodynamics exists primarily for dissemination of significant new measurements in experimental thermodynamics and thermophysics including bio-thermodynamics, calorimetry, phase equilibria, equilibrium thermodynamic properties and transport properties.

The Journal publishes work relating to gases, liquids, solids, mixtures, solutions, interfaces, including polymers and biological materials, provided that the systems studied are characterised and reproducible.

The defining attributes of The Journal are the quality and relevance of the papers published. Authors are expected to describe their methods and present their results in sufficient detail to allow critical assessment of the accuracy claimed.

Further, The Journal welcomes theoretical papers reporting on thermodynamics using molecular theory or modeling, provided the relationship with experiment is clearly described. Review articles will also be considered but prospective authors should first consult one of the Editors concerning the suitability of the proposed review.

Experimental measurements of a routine nature or those conducted on uncharacterised materials are not accepted.

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\[ \text{YJCHT_ST_5.JPG} \]

**FIGURE 1.** (a) Densities \( p \) of pentafluoroethane at temperatures \( T \): , saturated liquid; •, saturated vapour; -------- , saturated vapour and liquid calculated from Eq. (4). (b) Deviations of experimental saturated liquid densities \( p_1 \) from values \( p_{\text{calc}} \) calculates from Eq. (4).

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