عنوان مقاله:

A method for computing of specific heat of compressed liquid of Nitrogen Tetroxide

محل انتشار:

پنجمین کنگره بین المللی مهندسی شیمی (سال: 1386)

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خلاصه مقاله:

A useful, benefit and accurate method has been developed for computing of specific heat of compressed liquid of nitrogen tetroxide (N2O4). This method would be able to compute above-mentioned property over a wide range of temperatures (from boiling point up to critical temperature) and pressures (from atmospheric up to 400 bar). This method is using an accurate correlation for density of compressed liquid of nitrogen tetroxide and mathematical computational software such as maple. When tested against a data base of 95 points of liquid specific heat for nitrogen tetroxide, the proposed method gave average absolute errors (AAD %) of 0.785%.

کلمات کلیدی:
Nitrogen tetroxide; specific heat; Compressed Liquids; density

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