

THERMODYNAMICS  
PROPERTIES OF GLYCEROL–WATER SOLUTION

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S u m m a r y

The influence of structural features of water on the thermodynamic properties of associated liquids has been studied, with the glycerol–water solutions being taken as an example. The  $P - V - T$  data for those solutions are experimentally measured in the pressure interval 0.1–103.1 MPa and in the temperature range 293–380 K. The modulus of elasticity, the coefficient of thermal expansion, the increments of the entropy, Gibbs energy, and the enthalpy are calculated numerically. The temperature dependences of the parameters of the semiempirical Tait equation have been analyzed, and the recommendation to use this equation for the description of data obtained is made.