

STUDY OF ANOMALOUS STRUCTURAL
EFFECTS IN WATER-ETHANOL MIXTURE

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S u m m a r y

Monte Karlo calculation results for pure ethanol and water-ethanol mixtures (0,1 ÷ 0,5) calculated in the isothermal and isobaric ensemble at $T = 300$ K are presented. The analysis of hydrogen bonds between an ethanol molecule and water molecules at molar concentrations of ethanol is performed. Radial distribution functions for the water-ethanol interaction show characteristic features of hydrogen-bound liquids. The radial distribution functions for the water-water interactions calculated for pure water and water-ethanol mixtures are compared.