

Positron annihilation in and adiabatic compressibility of water-organic solutions. The system water-dimethylsulfoxide.

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Streszczenie

The results of positron lifetime and ultrasonic velocity measurements in dilute aqueous dimethylsulfoxide (DMSO) solutions show the usual extreme characteristic for polar organic solutes. The results obtained suggest that strong structural changes occur in the system, in the region of low DMSO concentrations. Liquid clathrate hydrates forming in the system are supposed, with unusual stoichiometry and untypical geometry of the hydrates.

Adres publiczny

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<http://www.ifpan.edu.pl>