

PECULIARITIES OF THE LOW-FREQUENCY
RAMAN SCATTERING BY SUPRAMOLECULAR
INHOMOGENEITIES OF HYDROGEN-BONDED
LIQUIDS

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S u m m a r y

The effective vibrational state density of hydrogen-bonded liquids is measured by the Raman scattering technique at room temperature. The existence of the linear region in the low-frequency spectrum in the log-log scale testifies to the applicability of the percolation model and the fractal conception. The concentration dependences of the linear region's slope for different solutions are in good agreement with the behavior of other physicochemical parameters that depend on the hydrogen-bond network structure.