

IR dispersion of H-bonded systems. I. Determination of bandshapes and dispersion data in binary solutions.

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Streszczenie

A new method for the determination of IR bandshapes in binary systems is proposed. The procedure is based on determination and subsequent subtraction of the imaginary part of the complex refractive index spectrum, $k(\nu)$, of the solution and the solvent. Simultaneously, infrared dispersion data in the studied spectral region are obtained. Experimental results, mainly for weakly hydrogen bonded systems in the $\nu_s(\text{AH})$ region, are presented and discussed. Correlation functions are compared with that ones obtained by conventional methods.

Strona internetowa wydawcy

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