ABOUT THE INTERNAL TRANSMISSION AND ABSORPTION COEFFICIENT AS A FUNCTION OF WAVELENGTH IN ELECTROOPTIC SINGLE-CRYSTALS

D. Dolha

Dept. of Physics, West University of Timisoara
(*Bd. V. Parvan no. 4 RO-1900;*
e-mail: ddany@galileo. uvt. ro)

We study the spectral properties of some samples of nonlinear single crystals of the MH_2EO_4 composition ($M = NH_4^+$, K^+, Rb^+, Cs^+ and E = P, As). The transmission of samples, obtained by Z-cutting from crystals grown from an aqueous solution and a further processing, was determined by spectral analysis. The dependence of the internal transmission and calculated absorption coefficient on wavelength in the range $200 \div 600$ nm for some samples of KH_2PO_4 and $NH_4H_2PO_4$ single crystals is shown.