

TEMPERATURE STUDIES OF OPTICAL ABSORPTION EDGE IN $(As_2S)_x(As_2S_3)_{1-x}$ ($x \leq 0.2$) SUPERIONIC GLASSES

As₂S₃ glassy semiconductor, due to the interesting photostimulated structural changes being revealed in their optical properties, has found wide practical applications as an efficient material for optical data recording, holography, integrated optics. Ag₂S-As₂S₃ chalcogenide glasses differ among the other by high conductivity, making them promising materials for solid state ionic. The present work is aimed at temperature studies of optical absorption edge in $(Ag_2S)_x(As_2S_3)_{1-x}$ ($x \leq 0.2$) superionic glasses.

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