

STRUCTURAL DISORDER AND OPTICAL PROPERTIES OF ELECTON-IRRADIATED $\text{As}_2\text{S}_3(\text{Se}_3)$ CHALCOGENIDE GLASSES

Glassy chalcogenides of arsenium are characterized by high transparency in a near and middle infrared and belong to a class of materials which are used as active or passive elements in optical engineering. Experimental studies of the influence of radiation load (gamma radiation, X-radiation or electron radiation) enable to determine the character and change of physical properties of these materials, boundary doses of radiation, to learn the nature and mechanisms of radiational defect – formation, reveal conditions of renewing the initial parameters.

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