

THE FORMATION OF SOLID SOLUTIONS IN THIN-FILM SYSTEM SnS - PbS

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The conditions of sedimentation of the combined films SnS – PbS from thiocarbamide coordination compounds have been investigated. There is a detailed mechanism of interaction between the components in the thin layers. An influence of the concentrations of components on the formation of solid solutions with limited solubility was described. Also we have found the relationship between the concentration of components in solid solutions and such characteristics as the specific conductivity and the forbidden gap.